

ZQ	70	250	21.1	121.1	PF			CA	****	****	****	****	Sharon Cross
ZR	-30	100	-34.4	37.8	PA PB PD PE			CA	****	****	****	****	3/3/06 Sharon Cross - Siemens
ZS	0	180	-17.8	82.2			PA PB PD PE		Ask Eng		****	****	3/06/06 RUTH TT176
ZT	-20	900	-28.9	482.2				CA NA	E	T	Ask Eng	T	
ZU	0	125	-17.8	51.7	PW			CA	****	****	****	****	TT807, Chrissy Avery, Kele, 8/9/06
ZV	32	1448.67	0.0	787.0			****	CA NA		JT	E	JT	RFQ1208561 09/11/08 MCC was duplicate of ZC
ZW	-30	20	-34.4	-6.7	PW	*****		CA	****	****	****	****	
ZY	0	205	-17.8	96.1					Ask Eng		****	****	for TT881,"PD" Kele, Jean Morris, 11/22/06
ZZ	-13	185	-25.0	85.0	PA PB PD PE				Ask Eng		****	****	TT111, Thuy, 12/14/06
Z1													

DI	200	350	93.3	176.7		FC		CA			*****	*****	*****	
BS	200	400	93.3	204.4	PA PB PD PE		PA PB PD PE						*****	(Originally setup for calibration of a TT216)
T	200	425	93.3	218.3	PA PB PD PE								*****	
WL	200	470	93.3	243.3										
BL	200	500	93.3	260.0	PA PB PD PE PF PW					K				
GA	200	700	93.3	371.1	PA PB PD PE	NA	PA PB PD PE	CA NA						
AE	200	1000	93.3	537.8	PA PB PD PE			CA NA		E	T			
GX	200	1400	93.3	760.0				CA NA		JKE	T	K		
AY	212	302	100.0	150.0	PA PB PD PE			CA		*****	*****	*****		
AW	212	392	100.0	200.0	PA PB PD PE		CA PA PB PD PE						*****	
AX	212	572	100.0	300.0	PA PB PD PE		PA PB PD PE	CA NA						
LB	212	1562	100.0	850.0			PA PB PD PE	CA NA				JT		
DJ	235	335	112.8	168.3	PA PB PD PE			CA		*****	*****	*****		
DK	250	350	121.1	176.7	PA PB PD PE		PA PB PD PE	CA		*****	*****	*****		
DT	250	450	121.1	232.2	PA PB PD PE								*****	
UV	250	500	121.1	260.0			PA PB PD PE						*****	
BT	250	1000	121.1	537.8	PA PB PD PE		PA PB PD PE	CA NA				T		
BA	257	392	125.0	200.0	PA PB PD PE		PA PB PD PE	CA		*****	*****	*****		
KI	260	450	126.7	232.2	PA PB PD PE								*****	
F	300	400	148.9	204.4		FB		CA		*****	*****	*****		
HF	300	420	148.9	215.6	PA PB PD PE		PA PB PD PE	CA		*****	*****	*****		
BQ	300	500	148.9	260.0	PA PB PD PE		PA PB PD PE						*****	
AL	300	800	148.9	426.7	PA PB PD PE		PA PB PD PE	CA NA				T		
HS	300	1000	148.9	537.8				CA NA		K	T			
HW	300	1300	148.9	704.4				CA NA		K	T			
BB	302	482	150.0	250.0	PA PB PD PE								*****	
BD	347	401	175.0	205.0	PA PB PD PE PF	PF		CA		*****	*****	*****		
AZ	347	482	175.0	250.0	PA PB PD PE		PA PB PD PE	CA		*****	*****	*****		
YU	374	410	190.0	210.0	*****	*****	PF	CA		*****	*****	*****		
LA	392	752	200.0	400.0	PF PW			CA NA						
LZ	392	2192	200.0	1200.0	*****	*****	*****	*****				EJT	K	
UY	400	600	204.4	315.6	PA PB PD PE			CA NA					*****	
HI	400	1200	204.4	648.9			PA PB PD PE	CA NA		J	T			
JP	400	1600	204.4	871.1	*****	*****	*****	CA NA		E	JT			
JV	500	1100	260.0	593.3	PA PB PD PE		PA PB PD PE	CA NA				T		
FD	500	2000	260.0	1093.3		*****		CA NA				EJT		
EF	600	800	315.6	426.7	PA PB PD PE			CA NA				T	*****	
HZ	600	1300	315.6	704.4			PA PB PD PE	CA NA		K	T			
HT	600	1500	315.6	815.6				CA NA		K	JT			
KB	620	830	326.7	443.3			PA PB PD PE	CA NA				T	*****	
JS	700	900	371.1	482.2				CA NA		J	T		*****	
LU	700	1400	371.1	760.0			PA PB PD PE	CA NA				T		
HX	800	1200	426.7	648.9				CA NA		K	T			
HV	1000	1300	537.8	704.4				CA NA		K	T			
HY	1000	1500	537.8	815.6				CA NA		K	JT			
LM	1000	1700	537.8	926.7	*****	*****	*****	CA NA		K	JT			TT252
YB	1112	1562	600.0	850.0			PA PB PD PE	CA NA				JT		NT = No Transmitter on Humidity xmtrs, Do not use
LI	1300	2500	704.4	1371.1	*****	*****	*****	CA NA				EJT		Duplicate range; same as "ZQ" range; do not use
NT	*****	*****	*****	*****	*****	*****	*****	*****		*****	*****	*****	*****	
ZV	*****	*****	*****	*****	*****	*****	*****	*****		*****	*****	*****	*****	

Kele Temperature Transmitter Orders					
"SX" Range Code					
Job Number	Zero °F	Span °F	Zero °C	Span °C	
	-150	-50	-101.1	-45.6	
	-150	0	-101.1	-17.8	"YN" Code
	-149.8	50	-101.0	10.0	
	-67	240	-55.0	115.6	
	-58	149	-50.0	65.0	
	-50	150	-45.6	65.6	"MI" Code
	-40	250	-40.0	121.1	
	-30	130	-34.4	54.4	"AS" code
	-30	140	-34.4	60.0	
	-10	50	-23.3	10.0	
	0	125	-17.8	51.7	
	0	140	-17.8	60.0	
	0	200	-17.8	93.3	"AC" Code
	0	250	-17.8	121.1	"EY" Code
	30	70	-1.1	21.1	
	30	320	-1.1	160.0	
	32	70	0.0	21.1	
	40	240	4.4	115.6	
	41	113	5.0	45.0	
	50	90	10.0	32.2	
	50	100	10.0	37.8	
	50	500	10.0	260.0	
	86	302	30.0	150.0	
	100	400	37.8	204.4	
			-100.0	10.0	"VE" code
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
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			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	
			-17.8	-17.8	

Convert from °F to °C				
Enter Temp in °F below				
62	=	16.7	°C	
Convert from °C to °F				
Enter Temp in °C below				
-20	=	-4	°F	

On the lists of Temptran ranges, if no element type is listed, it has not been designed yet and you must charge a \$75 setup charge.

***** means range is not available; perhaps the span is too short, or the temperatures are too low or too high
 ? means check if Engineering can do the range

Element types listed in either of the "Not Available" columns don't have enough resistance change to let the Temptran meet specifications.

PX = PA, PB, PD, or PE element types

The transmitter is not available for temperatures 1) where the span is too short, 2) where temperatures are above the High Limit temperature, or 3) below the Low Limit temperature.

----- LIMITS ON TEMPTRAN RANGES -----

	----- RTD's -----								---- Thermocouples ----			
	TT110, TT111, TT115, TT210, TT211, TT233		TT 176/246/220		CA copper element, TT 176/246/220		NA nickel element, TT 176/246/220		TT 190/221		TT205/230	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
MINIMUM SPAN:	50	27.8	18	10	180	100	18	10	180	100	270	150
HIGH LIMIT :	1562	850	1562	850	500	260	500	260	E: 1832	1000	1832	1000
									J: 1400	760	1400	760
									K: 2502	1372	2502	1372
									T: 752	400	752	400
LOW LIMIT :	-328	-200	-328	-200	32	0	-328	-200	32	0	32	0

MAXIMUM TEMPERATURE for 120 ohm Nickel RTD elements is 500°F (260°C)
 MAXIMUM TEMPERATURE for 10 ohm Copper RTD elements is 500°F (260°C)

Because of thermocouple non-linearities below 0°C, check with Instruments if range can be designed for temperatures below the Low Limit.

For matched sensor/transmitter sets, high limits and low limits are much smaller because they depend upon our Measurement Lab's capabilities.

For changes to this document, contact Mike Conley, Instruments, extension 2848.

The "By Letter" tab is the master document. Always edit it to make changes, then copy it to the "Temperature" tab, then sort that list in temperature order.

TT177		
--- Resistance Ranges ---		
Range Code	Zero Ohms	Span Ohms
A	0	1000
B	0	2000
C	0	1700
D	0	5000
E	0	120
F	0	2200
G	5000	15000
H	500	1500
I	Not Used	
J	240	1240
K	1345	2005
L	215	1080
M	2250	13150
N	300	1000
O	Not Used	
P	440	1010
Q	0	10000
R	100	1000
S	866	1292
T	0	14000
U		
V		
W		
X	Not Used	
Y		
Z		

1. Simply use the Find (Ctrl-F) function to find a keyword or else use the AutoFilter function (already displayed)
2. Example; Click "Zero °F" button, then select "Custom". In the "Custom AutoFilter" box which appears, select
3. Type "32" in the next box, then choose the OK button. Only ranges starting at 32°F will be shown.
4. Select View, AutoFilter to restore the full list.

Range Code	--- Temperature Range ---				TT111, TT829		TT111, TT829	
	Zero °F	Span °F	Zero °C	Span °C	Platinum elements		Other elements	
A	20	120	-6.7	48.9	PA PB PD PE PF PW		FA FB FC NA	
AA	0	800	-17.8	426.7	PA PB PD PE PF PW			
AB	0	600	-17.8	315.6	PA PB PD PE PF PW		NA	
AC	0	200	-17.8	93.3	PA PB PD PE PF PW		FB NA	
AD	-40	120	-40.0	48.9	PA PB PD PE PW		FB FC	
AE	200	1000	93.3	537.8	PA PB PD PE			
AF	20	320	-6.7	160.0	PA PB PD PE PF		FA FB	
AG	0	500	-17.8	260.0	PA PB PD PE PF PW		FA FB NA	
AH	50	110	10.0	43.3	PA PB PD PE		FB	
AI	-50	275	-45.6	135.0	PA PB PD PE PF PW		FB FC FL NA	
AJ	14	122	-10.0	50.0	PA PB PD PE			
AK	-40	140	-40.0	60.0	PA PB PD PE PU			
AL	300	800	148.9	426.7	PA PB PD PE			
AM	70	550	21.1	287.8	PA PB PD PE		FB	
AN	0	300	-17.8	148.9	PA PB PD PE PF PW		FB FC NA	
AO	50	300	10.0	148.9	PA PB PD PE PF PW			
AP	20	70	-6.7	21.1	PA PB PD PE PF PW			
AQ	125	275	51.7	135.0	PA PB PD PE PF PW			
AR	-60	10	-51.1	-12.2	PA PB PD PE		FB	
AS	-30	130	-34.4	54.4	PA PB PD PE PF PW		FB	
AT	-148	-40	-100.0	-40.0	PA PB PD PE PF PW		*****	
AU	55	105	12.8	40.6	PA PB PD PE PF PW			
AV	50	230	10.0	110.0	PA PB PD PE PF PW			
AW	212	392	100.0	200.0	PA PB PD PE			
AX	212	572	100.0	300.0	PA PB PD PE			
AY	212	302	100.0	150.0	PA PB PD PE			
AZ	347	482	175.0	250.0	PA PB PD PE			
B	-20	180	-28.9	82.2	PA PB PD PE PF PW		FB FC NA	
BA	257	392	125.0	200.0	PA PB PD PE			
BB	302	482	150.0	250.0	PA PB PD PE			
BC	-22	86	-30.0	30.0	PA PB PD PE			
BD	347	401	175.0	205.0	PA PB PD PE PF		PF	
BE	-40	160	-40.0	71.1	PA PB PD PE PF		FB	
BF	50	250	10.0	121.1	PA PB PD PE PF PW			
BG	-30	500	-34.4	260.0	PA PB PD PE PF PW			
BH	122	302	50.0	150.0	PA PB PD PE			
BI	30	130	-1.1	54.4	PA PB PD PE PF PW			
BJ	30	250	-1.1	121.1	PA PB PD PE PF PW		NA	

BK	40	140	4.4	60.0	PA PB PD PE PF PW	FB
BL	200	500	93.3	260.0	PA PB PD PE PF PW	
BM	10	60	-12.2	15.6	PA PB PD PE	
BN	30	240	-1.1	115.6	PA PB PD PE PF PW	FB
BO	-60	120	-51.1	48.9	PA PB PD PE	
BP	-4	104	-20.0	40.0	PA PB PD PE	FC
BQ	300	500	148.9	260.0	PA PB PD PE	
BR	150	250	65.6	121.1	PA PB PD PE	
BS	200	400	93.3	204.4	PA PB PD PE	
BT	250	1000	121.1	537.8	PA PB PD PE	
BU	40	100	4.4	37.8	PA PB PD PE PF PW	
BV	80	200	26.7	93.3	PA PB PD PE	
BW	32	482	0.0	250.0	PA PB PD PE PF PW	NA
BX	200	300	93.3	148.9	PA PB PD PE PF PW	
BY	14	104	-10.0	40.0	PA PB PD PE	
BZ	0	1000	-17.8	537.8	PA PB PD PE	
C	32	212	0.0	100.0	PA PB PD PE PF PW	FB FC NA
CA	*****	*****	*****	*****	*****	*****
CB	32	380	0.0	193.3		
CC			Enter Range in °F			
CD			Enter Range in °F			
CE			Enter Range in °F			
CF			Enter Range in °F			
CG			Enter Range in °F			
CH			Enter Range in °F			
CI			Enter Range in °F			
CJ			Enter Range in °F			
CK			Enter Range in °F			
CL			Enter Range in °F			
CM			Enter Range in °F			
CN			Enter Range in °F			
CO			Enter Range in °F			
CP			Enter Range in °F			
CQ			Enter Range in °F			
CR			Enter Range in °F			
CS			Enter Range in °F			
CT			Enter Range in °F			
CU			Enter Range in °F			
CV			Enter Range in °F			
CW			Enter Range in °F			
CX			Enter Range in °F			
CY			Enter Range in °F			
CZ			Enter Range in °F			
D	70	220	21.1	104.4	PA PB PD PE PF PW	FB FC
DA	30	90	-1.1	32.2	PA PB PD PE PF PW	FC
DB	-4	212	-20.0	100.0	PA PB PD PE	
DC	-328	-238	-200.0	-150.0	PA PB PD PE	*****

DD	35	140	1.7	60.0	PA PB PD PE	
DE	100	550	37.8	287.8	PA PB PD PE	
DF	165.2	215.6	74.0	102.0	PA PB PD PE PF PW	
DG	-40	85	-40.0	29.4	PA PB PD PE	FB FC
DH	-328	212	-200.0	100.0	PA PB PD PE	*****
DI	200	350	93.3	176.7		FC
DJ	235	335	112.8	168.3	PA PB PD PE	
DK	250	350	121.1	176.7	PA PB PD PE	
DL	32	280	0.0	137.8	PA PB PD PE	
DM	70	130	21.1	54.4	PA PB PD PE PF	
DN	-22	122	-30.0	50.0	PA PB PD PE	
DO	-20	120	-28.9	48.9	PA PB PD PE PF PW	ND
DP	30	100	-1.1	37.8	PA PB PD PE PF PW	
DQ	30	150	-1.1	65.6	PA PB PD PE	FB
DR	-30	212	-34.4	100.0	PA PB PD PE	FC
DS	0	400	-17.8	204.4	PA PB PD PE PF PW	NA FA
DT	250	450	121.1	232.2	PA PB PD PE	
DU	45	95	7.2	35.0	PA PB PD PE PL	
DV	0	150	-17.8	65.6	PA PB PD PE	FB
DW	50	550	10.0	287.8	PA PB PD PE	
DX	50	100	10.0	37.8	PA PB PD PE PF PW	
DY	25	100	-3.9	37.8	PA PB PD PE	
DZ	70	120	21.1	48.9	PA PB PD PE	
E	100	500	37.8	260.0	PA PB PD PE PF PW	
EA	15	65	-9.4	18.3	PA PB PD PE PF PW	*****
EB	-120	60	-84.4	15.6	PA PB PD PE	*****
EC	80	180	26.7	82.2		FB
ED	50	120	10.0	48.9	PA PB PD PE PF PW	FB
EE	-22	302	-30.0	150.0	PA PB PD PE	
EF	600	800	315.6	426.7	PA PB PD PE	
EG	32	104	0.0	40.0	PA PB PD PE PF PW	
EH	50	1200	10.0	648.9		
EI	0	160	-17.8	71.1	PA PB PD PE	
EJ	68	212	20.0	100.0		
EK	30	110	-1.1	43.3	PA PB PD PE PF PW	
EL	-30	80	-34.4	26.7		
EM	150	300	65.6	148.9	PA PB PD PE PF PW	
EN	-20	140	-28.9	60.0	PA PB PD PE PF PW	FB
EO	-58	212	-50.0	100.0	PA PB PD PE	NA
EP	-32	122	-35.6	50.0	PA PB PD PE PF PW	
EQ	-30	60	-34.4	15.6		
ER	-22	320	-30.0	160.0	PA PB PD PE	
ES	-22	212	-30.0	100.0	PA PB PD PE	
ET	-85	32	-65.0	0.0	PA PB PD PE PF PW	
EU	32	662	0.0	350.0	PA PB PD PE PF	
EV	30	230	-1.1	110.0	PA PB PD PE	
EW	86	122	30.0	50.0	*****	*****

EX	-40	482	-40.0	250.0	PA PB PD PE PW	
EY	0	250	-17.8	121.1	PA PB PD PE PF PW	NA
EZ	-148	32	-100.0	0.0	PA PB PD PE PF PW	*****
F	300	400	148.9	204.4		FB
G	-10	40	-23.3	4.4	PA PB PD PE PF PW	*****
GA	200	700	93.3	371.1	PA PB PD PE	NA
GB	15	85	-9.4	29.4	PA PB PD PE PF PW	
GC	-20	200	-28.9	93.3		
GD	-328	392	-200.0	200.0	PA PB PD PE	*****
GE	32	752	0.0	400.0	PA PB PD PE PF PW	
GF	32	1472	0.0	800.0	PA PB PD PE	
GG	-103	122	-75.0	50.0	PA PB PD PE	*****
GH	-40	212	-40.0	100.0	PA PB PD PE	
GI	-13	32	-25.0	0.0	PA PB PD PE	*****
GJ	23	68	-5.0	20.0	*****	*****
GK	59	104	15.0	40.0	*****	*****
GL	14	230	-10.0	110.0	PA PB PD PE	
GM	60	100	15.6	37.8	*****	*****
GN	30	350	-1.1	176.7	PA PB PD PE	
GO	-13	122	-25.0	50.0	PA PB PD PE	
GP	30	260	-1.1	126.7		
GQ	32	100	0.0	37.8	PA PB PD PE PF PW	
GR	21	120	-6.1	48.9	PF PW	
GS	50	95	10.0	35.0	*****	*****
GT	20	50	-6.7	10.0	*****	*****
GU	50	750	10.0	398.9	PA PB PD PE	
GV	20	100	-6.7	37.8	PA PB PD PE PF PW	
GW	23	131	-5.0	55.0	PA PB PD PE	
GX	200	1400	93.3	760.0		
GY	-211	32	-135.0	0.0	PA PB PD PE	*****
GZ	64.4	82.4	18.0	28.0	*****	*****
H	40	90	4.4	32.2	PA PB PD PE PF PW	FB
HA	32	1112	0.0	600.0	PA PB PD PE PF PW	
HB	10	70	-12.2	21.1	PA PB PD PE PF PW	
HC	30	120	-1.1	48.9	PA PB PD PE PF PW	
HD	0	130	-17.8	54.4	PA PB PD PE PF PW	
HE	20	240	-6.7	115.6	PA PB PD PE PW	
HF	300	420	148.9	215.6	PA PB PD PE	
HG	-325	100	-198.3	37.8	PA PB PD PE PF PW	*****
HH	0	180	-17.8	82.2		
HI	400	1200	204.4	648.9		
HJ	35	65	1.7	18.3	*****	*****
HK	90	190	32.2	87.8	PA PB PD PE	
HL	32	167	0.0	75.0	PA PB PD PE	
HM	35	700	1.7	371.1		
HN	160	380	71.1	193.3		
HO	10	190	-12.2	87.8	PA PB PD PE	

HP	-110	200	-78.9	93.3	PA PB PD PE	*****
HQ	80	160	26.7	71.1	PA PB PD PE	
HR	32	1652	0.0	900.0	*****	*****
HS	300	1000	148.9	537.8		
HT	600	1500	315.6	815.6		
HU	0	1300	-17.8	704.4		
HV	1000	1300	537.8	704.4		
HW	300	1300	148.9	704.4		
HX	800	1200	426.7	648.9		
HY	1000	1500	537.8	815.6		
HZ	600	1300	315.6	704.4		
I	-10	90	-23.3	32.2	PA PB PD PE PF PW	FB
J	32	302	0.0	150.0	PA PB PD PE PF PU PW	FC NA
JA	0	350	-17.8	176.7	PA PB PD PE PF PW	
JB	-99	1	-72.8	-17.2	PA PB PD PE	
JC	0	1500	-17.8	815.6	PA PB PD PE	
JD	-58	302	-50.0	150.0	PA PB PD PE	
JE	48	194	8.9	90.0	PA PB PD PE	
JF	32	2192	0.0	1200.0	*****	*****
JG	32	2912	0.0	1600.0	*****	*****
JH	0	120	-17.8	48.9	PA PB PD PE PF PW	FC
JI	32	50	0.0	10.0	*****	*****
JJ	100	1000	37.8	537.8	PA PB PD PE	
JK	40	60	4.4	15.6	*****	*****
JL	35	100	1.7	37.8	PA PB PD PE	
JM	32	1400	0.0	760.0		
JN	-250	0	-156.7	-17.8	PA PB PD PE	*****
JO	100	400	37.8	204.4	PA PB PD PE	
JP	400	1600	204.4	871.1	*****	*****
JQ	-200	-50	-128.9	-45.6		*****
JR	-32	150	-35.6	65.6		
JS	700	900	371.1	482.2		
JT	0	1400	-17.8	760.0		
JU	100	150	37.8	65.6	PA PB PD PE	
JV	500	1100	260.0	593.3	PA PB PD PE	
JW	32	932	0.0	500.0	PA PB PD PE	
JX	-10	250	-23.3	121.1	PA PB PD PE	
JY	-300	300	-184.4	148.9		*****
JZ	0	65	-17.8	18.3	PA PB PD PE	
K	32	392	0.0	200.0	PA PB PD PE PF PU	NA
KA	0	255	-17.8	123.9	PA PB PD PE	
KB	620	830	326.7	443.3		
KC	0	1750	-17.8	954.4	*****	*****
KD	-185	-95	-120.6	-70.6	PA PB PD PE	*****
KE	-301	-139	-185.0	-95.0	PA PB PD PE	*****
KF	50	400	10.0	204.4	PA PB PD PE	
KG	40	150	4.4	65.6	PA PB PD PE	

KH	40	240	4.4	115.6	PA PB PD PE PF PW	
KI	260	450	126.7	232.2	PA PB PD PE	
KJ	0	240	-17.8	115.6	PA PB PD PE PF PW	
KK	30	180	-1.1	82.2	PA PB PD PE	
KL	40	220	4.4	104.4	PA PB PD PE	
KM	50	350	10.0	176.7	PA PB PD PE PF PW	
KN	40	110	4.4	43.3	PA PB PD PE PF	
KO	60	110	15.6	43.3	PA PB PD PE	*****
KP	42	92	5.6	33.3	PA PB PD PE PF	*****
KQ	50	200	10.0	93.3	PA PB PD PE	
KR	5	302	-15.0	150.0	PA PB PD PE	
KS	5	275	-15.0	135.0	PA PB PD PE	
KT	100	240	37.8	115.6	PA PB PD PE PF	
KU	35	80	1.7	26.7	*****	*****
KV	0	70	-17.8	21.1		
KW	20	80	-6.7	26.7	PA PB PD PE	
KX	0	1200	-17.8	648.9	PA PB PD PE	
KY	57.8	78.2	14.3	25.7	*****	*****
KZ	0	2000	-17.8	1093.3	*****	*****
L	-30	120	-34.4	48.9	PA PB PD PE PF PW	FB FC
LA	392	752	200.0	400.0	PF PW	
LB	212	1562	100.0	850.0		
LC	-328	-58	-200.0	-50.0		*****
LD	-90	90	-67.8	32.2	PA PB PD PE	
LE	80	380	26.7	193.3		FB
LF	32	572	0.0	300.0	PA PB PD PE	
LG	0	280	-17.8	137.8		
LH	10	90	-12.2	32.2	PA PB PD PE	
LI	1300	2500	704.4	1371.1	*****	*****
LJ	-30	240	-34.4	115.6	PA PB PD PE	FC
LK	32	350	0.0	176.7	PA PB PD PE	
LL	100	300	37.8	148.9	PA PB PD PE	
LM	1000	1700	537.8	926.7	*****	*****
LN	-148	212	-100.0	100.0	PA PB PD PE	*****
LO	75	125	23.9	51.7	PA PB PD PE	
LP	-100	250	-73.3	121.1		
LQ	77	302	25.0	150.0		
LR	30	300	-1.1	148.9	PA PB PD PE	
LS	32	68	0.0	20.0	*****	*****
LT	40	210	4.4	98.9	PA PB PD PE	
LU	700	1400	371.1	760.0		
LV	0	2400	-17.8	1315.6	*****	*****
LW	0	1600	-17.8	871.1	*****	*****
LX	32	400	0.0	204.4	PA PB PD PE PW	
LY	-180	0	-117.8	-17.8		*****
LZ	392	2192	200.0	1200.0	*****	*****
M	-58	122	-50.0	50.0	PA PB PD PE PF PW	

MA	-4	68	-20.0	20.0		
MB	-202	149	-130.0	65.0		*****
MC	-328	149	-200.0	65.0	PF PW	*****
MD	32	200	0.0	93.3		
ME	40	85	4.4	29.4	PA PB PD PE	*****
MF	35	120	1.7	48.9	PA PB PD PE PF	
MG	32	2100	0.0	1148.9	*****	*****
MH	-328	-148	-200.0	-100.0	PA PB PD PE	*****
MI	-50	150	-45.6	65.6	PA PB PD PE PF PW	
MJ	75	175	23.9	79.4	PA PB PD PE	
MK	75	200	23.9	93.3	PA PB PD PE	
ML	32	182	0.0	83.3		
MN	0	50	-17.8	10.0	PA PB PD PE PF PW	
MO	25	75	-3.9	23.9	PA PB PD PE PF PW	
MP	150	230	65.6	110.0		
MQ	32	248	0.0	120.0	PA PB PD PE	
MR	-58	500	-50.0	260.0	PA PB PD PE	
MS	-50	650	-45.6	343.3		
MT	-25	125	-31.7	51.7	PA PB PD PE	
MU	-40	86	-40.0	30.0	PA PB PD PE	
MV	-148	572	-100.0	300.0		*****
MW	32	2012	0.0	1100.0	*****	*****
MX	40	200	4.4	93.3	PA PB PD PE	FB
MY	100	130	37.8	54.4	*****	*****
MZ	-58	77	-50.0	25.0	PA PB PD PE	
N	32	122	0.0	50.0	PA PB PD PE PF PW	FB FC
NT	****	****	****	****	*****	*****
P	100	355	37.8	179.4	PA PB PD PE PF PW	
Q	90	270	32.2	132.2	PA PB PD PE	FC
QA	-30	50	-34.4	10.0	PA PB PD PE PF PW	NA
QB	****	****	-200.0	30.0	PA PB PD PE	*****
QC	32	1832	0.0	1000.0	*****	*****
QD	-30	220	-34.4	104.4		
QE	22	122	-5.6	50.0	PA PB PD PE	
QF	-100	400	-73.3	204.4		
QG	85	125	29.4	51.7	*****	*****
QI	0	700	-17.8	371.1	PA PB PD PE	
QJ	69	85	20.6	29.4	*****	*****
QK	22	212	-5.6	100.0	PA PB PD PE	
QL	40	120	4.4	48.9	PF PW	FC
QM	-184	95	-120.0	35.0		*****
QN	0	550	-17.8	287.8	PA PB PD PE	
QO	41	113	5.0	45.0	PA PB PD PE	
QP	50	450	10.0	232.2	PA PB PD PE	FX
QR	32	257	0.0	125.0	PA PB PD PE	
QS	-300	150	-184.4	65.6	PA PB PD PE	*****
QT	-148	500	-100.0	260.0	PA PB PD PE	NA

QU	-120	-40	-84.4	-40.0	PF PW	*****
QV	*****	*****	*****	*****	*****	*****
QW	*****	*****	*****	*****	*****	*****
QX	0	80	-17.8	26.7	PA PB PD PE	
QY	-50	250	-45.6	121.1	PA PB PD PE	ND
QZ	122	212	50.0	100.0	PA PB PD PE	
R	-30	150	-34.4	65.6	PA PB PD PE	FB FC
S	0	100	-17.8	37.8	PA PB PD PE PF PG PW	FB
SA	-140	100	-95.6	37.8		*****
SB	-100	100	-73.3	37.8	PA PB PD PE	
SC	-120	100	-84.4	37.8	PA PB PD PE	FA
SD	-50	100	-45.6	37.8	PA PB PD PE	
SE	-148	95	-100.0	35.0	PA PB PD PE PF PW	*****
SF	30	50	-1.1	10.0	*****	*****
SG	33.8	123.8	1.0	51.0	PA PB PD PE	
SH	-4	122	-20.0	50.0	PA PB PD PE PF	
SI	-40	104	-40.0	40.0	PA PB PD PE PF	
SJ	0	77	-17.8	25.0		
SK	-100	0	-73.3	-17.8	PA PB PD PE	
SL	59	77	15.0	25.0	*****	*****
SM	-280	-180	-173.3	-117.8		*****
SN	20	140	-6.7	60.0		
SP	60.8	78.8	16.0	26.0	*****	*****
SR	77	95	25.0	35.0	*****	*****
SS	-60	210	-51.1	98.9		
ST	20	170	-6.7	76.7	PA PB PD PE	
SU	25	140	-3.9	60.0		
SV	68	104	20.0	40.0	*****	*****
SW	-5	130	-20.6	54.4		
SX	15	45	-9.4	7.2	*****	
SY	26	130	-3.3	54.4		
SZ	-150	-50	-101.1	-45.6	PA PB PD PE	*****
T	200	425	93.3	218.3	PA PB PD PE	
TA	-20	130	-28.9	54.4	PF PW	
TB	17	130	-8.3	54.4		
TC	68	203	20.0	95.0		
TD	-22	68	-30.0	20.0	PA PB PD PE	
TE	-58	392	-50.0	200.0		
TF	-148	-76	-100.0	-60.0	PA PB PD PE	*****
TG	-256	-184	-160.0	-120.0	PA PB PD PE	*****
TH	-100	600	-73.3	315.6	PA PB PD PE	
TK	-148	122	-100.0	50.0	PA PB PD PE PF PW	*****
TL	-40	32	-40.0	0.0	PA PB PD PE PF PW	
TM	-274	-202	-170.0	-130.0	PF PW	*****
TN	-328	32	-200.0	0.0		*****
TP	50	86	10.0	30.0	*****	*****
TQ	-22	158	-30.0	70.0	PA PB PD PE PF	

TR	-94	158	-70.0	70.0		
TS	10	130	-12.2	54.4		
TT	-25	130	-31.7	54.4		
TU	-20	250	-28.9	121.1		
TV	15	130	-9.4	54.4		
TW	50	85	10.0	29.4	*****	*****
TY	-40	248	-40.0	120.0	PA PB PD PE PF PW	
TZ	32	320	0.0	160.0		
U	30	80	-1.1	26.7	PA PB PD PE PF PW	FB FC
UA	32	356	0.0	180.0		
UB	-20	350	-28.9	176.7		
UC	-40	176	-40.0	80.0	PA PB PD PE	
UD	14	212	-10.0	100.0	PA PB PD PE	
UE	-40	302	-40.0	150.0	PA PB PD PE	
UF	45	130	7.2	54.4		
UG	20	130	-6.7	54.4		
UH	-328	122	-200.0	50.0	PA PB PD PE	*****
UI	65	190	18.3	87.8	PA PB PD PE	
UJ	-40	130	-40.0	54.4		
UK	32	550	0.0	287.8		
UL	-103	752	-75.0	400.0		*****
UM	-60	60	-51.1	15.6	PA PB PD PE PF	
UN	-22	130	-30.0	54.4		
UP	-40	500	-40.0	260.0	PA PB PD PE	
UQ	0	1850	-17.8	1010.0	*****	*****
UR	50	130	10.0	54.4		
US	0	410	-17.8	210.0	PA PB PD PE	
UT	-238	-58	-150.0	-50.0	PA PB PD PE	*****
UV	250	500	121.1	260.0		
UW	50	180	10.0	82.2	PG	
UY	400	600	204.4	315.6	PA PB PD PE	
UZ	-148	257	-100.0	125.0		*****
V	50	150	10.0	65.6	PA PB PD PE PF PW	FA FB NA
VA	68	86	20.0	30.0		
VB	-148	86	-100.0	30.0	PA PB PD PE	
VC	0	30	-17.8	-1.1		
VD	20	180	-6.7	82.2		
VE	-148	50	-100.0	10.0		
VF	5	250	-15.0	121.1		
VG	-60	140	-51.1	60.0		
VH	-10	160	-23.3	71.1		
VJ	77	122	25.0	50.0		
Vk	-40	14	-40.0	-10.0	PA PB PD PE	
VL	-148	68	-100.0	20.0	PF	
VM	-30	140	-34.4	60.0		
VN	32	1202	0.0	650.0		
VP	32	1292	0.0	700.0		

VQ	32	1382	0.0	750.0		
VR	60	140	15.6	60.0		
VS	100	800	37.8	426.7	pd	
VT	77	212	25.0	100.0		
VU	302	1112	150.0	600.0		
VV	68	140	20.0	60.0		
VW	200	800	93.3	426.7		
VX	-25	120	-31.7	48.9		
VY	32	432	0.0	222.2		
VZ	32	1562	0.0	850.0		
W	100	200	37.8	93.3	PA PB PD PE	
WA	0	275	-17.8	135.0		
WB	-40	257	-40.0	125.0	PF PW	
WC	34	80	1.1	26.7	*****	*****
WD	120	210	48.9	98.9	PA PB PD PE	
WE	32	86	0.0	30.0	PF PW	
WF	-79.6	392	-62.0	200.0	PA PB PD PE	
WG	60	400	15.6	204.4		
WH	122	392	50.0	200.0		
WJ	-40	240	-40.0	115.6	PF PW	
WK	-10	130	-23.3	54.4		
WL	200	470	93.3	243.3		
WM	-211	95	-135.0	35.0		*****
WN	-20	320	-28.9	160.0	PA PB PD PE	
WP	-150	50	-101.1	10.0	PA PB PD PE	*****
WQ	0	1652	-17.8	900.0	*****	*****
WR	-60	100	-51.1	37.8		
WS	-90	600	-67.8	315.6	PA PB PD PE	
WT	-40	50	-40.0	10.0	PA PB PD PE	
WU	-40	200	-40.0	93.3		
WV	-25	80	-31.7	26.7	PA PB PD PE	
WX	68	176	20.0	80.0	PA PB PD PE	
WY	50	70	10.0	21.1	*****	*****
WZ	60	80	15.6	26.7	*****	*****
XA	-75	100	-59.4	37.8	PA PB PD PE	
XB	50	104	10.0	40.0		
XC	34	140	1.1	60.0		
XD	-20	75	-28.9	23.9		
XE	-67	2192	-55.0	1200.0	*****	*****
XF	-67	662	-55.0	350.0		
XG	-67	392	-55.0	200.0		
XH	40	130	4.4	54.4		
XJ	77	167	25.0	75.0	PA PB PD PE	
XK	-32	160	-35.6	71.1	PF	
XL	23	59	-5.0	15.0	*****	*****
XM	10	35	-12.2	1.7	*****	*****

XN	20	45	-6.7	7.2	*****	*****
XP	45	70	7.2	21.1	*****	*****
XR	32	176	0.0	80.0	PA PB PD PE	
XS	35	130	1.7	54.4		
XT	-121	32	-85.0	0.0		*****
XU	-58	32	-50.0	0.0	PA PB PD PE	
XV	23	95	-5.0	35.0		
XW	-310	1832	-190.0	1000.0	*****	*****
XY	-4	320	-20.0	160.0		
XZ	40	250	4.4	121.1		
Y	-50	50	-45.6	10.0	PA PB PD PE PF PW	FB FC
YA	57	87	13.9	30.6	PF PW	*****
YB	1112	1562	600.0	850.0		
YC	-20	35	-28.9	1.7		
YD	32	176	0.0	80.0		
YE	70	450	21.1	232.2		
YF	113	212	45.0	100.0		
YG	32	75	0.0	23.9	PA PB PD PE	*****
YH	-22	32	-30.0	0.0	PA PB PD PE	
YJ	14	86	-10.0	30.0	PA PB PD PE	
YK	80	400	26.7	204.4		
YL	-328	-202	-200.0	-130.0	PA PB PD PE	*****
YM	150	350	65.6	176.7		
YN	-150	0	-101.1	-17.8	PA PB PD PE	*****
YP	60	300	15.6	148.9	PF PW	
YQ	32	130	0.0	54.4		
YR	-328	-148	-200.0	-100.0	PA PB PD PE	*****
YS	-22	104	-30.0	40.0		
YT	14	68	-10.0	20.0	PF PW	
YU	374	410	190.0	210.0	*****	*****
YV	70	320	21.1	160.0	PA PB PD PE	
YW	-30	250	-34.4	121.1		
YY	55	80	12.8	26.7	*****	*****
YZ	-4	248	-20.0	120.0	PA PB PD PE	
Z	100	250	37.8	121.1	PA PB PD PE PF PW	FB
ZA	-148	113	-100.0	45.0		*****
ZB	-260	100	-162.2	37.8	PA PB PD PE	*****
ZC	-22	250	-30.0	121.1	PA PB PD PE	
ZD	-50	130	-45.6	54.4	PA PB PD PE	
ZE	-50	500	-45.6	260.0	PF	
ZF	-76	212	-60.0	100.0		
ZG	-22	176	-30.0	80.0	PA PB PD PE	
ZH	-148	104	-100.0	40.0	PA PB PD PE	*****
ZJ	32	1022	0.0	550.0	PA PB PD PE	
ZK	170	325	76.7	162.8		
ZL	10	120	-12.2	48.9	PA PB PD PE	
ZM	170.6	29.4	77.0	-1.4	*****	*****

to organize data.

"equals" from the bottom of the first drop-down list box.

--- RTD Temptrans ---

TT211	TT211	TT176, TT246, TT220	
Platinum elements	Other elements	Elements	Not Avail.
PA PB PD PE PF PW		PA PB PD PE PF	CA
PA PB PD PE PF PW		PA PB PD PE	CA NA
PA PB PD PE PF PW		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE CA	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA NA
PA PB PD PE			
PA PB PD PE		PA PB PD PE CA FB	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE PF PW		PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE CA NA	
PA PB PD PE		PA PB PD PE CA FA	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	
PA PB PD PE		CA PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE CA	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE PF PW	
PA PB PD PE			
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE PF PW	CA
PA PB PD PE		PA PB PD PE FA	

PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE	FB	PA PB PD PE	
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		CA PA PB PD PE PF	
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE PF CA NA	
		*****	*****
		PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE PF PW		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	
PA PB PD PE			CA NA

PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA NA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA NA
			CA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE PF PW		PA PB PD PE	CA
PA PB PD PE PF PW		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			
PA PB PD PE		PA PB PD PE CA FA NA	
PA PB PD PE			
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE PF PW		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA
PA PB PD PE			CA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA NA
PA PB PD PE		PA PB PD PE	CA
			CA NA
PA PB PD PE			CA
			CA
PA PB PD PE			CA
			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE PF PW		PA PB PD PE PF PW	CA
PA PB PD PE PF PW		PA PB PD PE	
PA PB PD PE			CA
			CA
PA PB PD PE			
PA PB PD PE		PA PB PD PE	
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE	
			CA

PA PB PD PE PF PW		PF PW	
PA PB PD PE PF PW		PA PB PD PE	
PA PB PD PE		PA PB PD PE PF	
			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE			CA
PA PB PD PE			CA NA
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE	CA NA
PA PB PD PE		PA PB PD PE	
PA PB PD PE		PA PB PD PE	
PA PB PD PE			CA
			CA
			CA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
			CA
			CA
		PA PB PD PE	CA
PA PB PD PE			CA NA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA
			CA NA
PA PB PD PE			CA NA
		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA NA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
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PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
PA PB PD PE		PA PB PD PE	CA
		PA PB PD PE	CA NA
		PA PB PD PE	CA
PA PB PD PE			CA
PA PB PD PE		PA PB PD PE	CA
			CA NA
		PA PB PD PE	
PA PB PD PE			

PA PB PD PE		PA PB PD PE	
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		PA PB PD PE	CA NA
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PA PB PD PE		PA PB PD PE	CA
		PA PB PD PE	CA
PA PB PD PE			CA NA
		PA PB PD PE PF	CA
PA PB PD PE		PA PB PD PE	CA
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PA PB PD PE			CA NA
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		*****	CA NA

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PA PB PD PE			CA
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		PA PB PD PE	CA NA
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PA PB PD PE PF PW		PA PB PD PE	

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		PA PB PD PE	CA
		PA PB PD PE	CA
PA PB PD PE			
PA PB PD PE PF PW	FB	PA PB PD PE	CA
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		PA PB PD PE	CA
PA PB PD PE			CA NA
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		PA PB PD PE	CA
		PW	CA NA
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PA PB PD PE PF PW			CA
		PA PB PD PE	CA
PA PB PD PE			
		*****	*****
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PA PB PD PE			
PA PB PD PE			



--- Thermocouple Temptrans ---				
TT321, TT821, TT831, TT921	TT190, TT221		TT205	
	T/C Types	Not Avail.	T/C Types	Not Avail.
PA PB PD PE	*****	*****	*****	*****
PA PB PD PE	J	T	JK	T
	EJK		J K	
PA PB PD PE	EJKT		J K T	*****
PA PB PD PE	*****	*****	*****	*****
	E	T		T
PA PB PD PE	Ask Eng		Ask Eng	
PA PB PD PE	EJT		JKT	
	*****	*****	*****	*****
	Ask Eng		Ask Eng	
	*****	*****	*****	*****
PA PB PD PE	Ask Eng		*****	*****
		T		T
PA PB PD PE				
PA PB PD PE	EJKT		K	
			*****	*****
PA PB PD PE	*****	*****	*****	*****
	*****	*****	*****	*****
	*****	*****	*****	*****
PA PB PD PE	*****	*****	*****	*****
	*****	*****	*****	*****
	*****	*****	*****	*****
	J		*****	*****
			*****	*****
	*****	*****	*****	*****
	*****	*****	*****	*****
	Ask Eng		*****	*****
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PA PB PD PE	*****	*****	*****	*****
	*****	*****	*****	*****
	Ask Eng		*****	*****
	ET		*****	*****
	Ask Eng		Ask Eng	
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PA PB PD PE	*****	*****	*****	*****
PA PB PD PE	Ask Eng		*****	*****

PA PB PD PE	*****	*****	*****	*****
	K			
	*****	*****	*****	*****
PA PB PD PE	Ask Eng		*****	*****
	Ask Eng		*****	*****
PA PB PD PE	*****	*****	*****	*****
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PA PB PD PE	*****	*****	*****	*****
PA PB PD PE	*****	*****	*****	*****
	EJKT		J	
	*****	*****	*****	*****
PF PW	*****	*****	*****	*****
PA PB PD PE	JK	T	EJK	T
PA PB PD PE	JTK		*****	*****
	*****	*****	*****	*****
	JK		J	
PA PB PD PE	*****	*****	*****	*****
	*****	*****	*****	*****
	Ask Eng		*****	*****
	*****	*****	*****	*****

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	*****	*****	*****	*****
PA PB PD PE	*****	*****	*****	*****
	Ask Eng		Ask Eng	
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PA PB PD PE	*****	*****	*****	*****
PA PB PD PE	*****	*****	*****	*****
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	Ask Eng		*****	*****
PA PB PD PE	JK		Ask Eng	
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PA PB PD PE	*****	*****	*****	*****
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PA PB PD PE	*****	*****	*****	*****
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	Ask Eng		*****	*****
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	JK		JKT	*****
PA PB PD PE PF PW	Ask Eng		*****	*****
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PA PB PD PE	Ask Eng		*****	*****
	Ask Eng		Ask Eng	
	JK			
	K	JT	K	JT
	Ask Eng		*****	*****
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	Ask Eng		*****	*****
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PA PB PD PE				
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PA PB PD PE	*****	*****	*****	*****
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	K	T	Ask Eng	T
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	*****	*****	*****	*****
PA PB PD PE	J		J	
PA PB PD PE	KJ		Ask Eng	
	*****	*****	*****	*****
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		EJT		EJT
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PA PB PD PE	*****	*****	*****	*****
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PA PB PD PE				
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	Ask Eng	JT	Ask Eng	JT
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PA PB PD PE PF PW	Ask Eng	EJT	K	EJT
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PA PB PD PE	Ask Eng	T	*****	*****
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	Ask Eng		*****	*****
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PA PB PD PE	*****	*****	*****	*****
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(TT190/TT221E special only for JMS)	
176PF for RFQ1210522 12/08/08	

(TT115/TT155 special for Temflex/Quontime only.)	
(Special TT111 for Capsugel, Gam, Shealy, Scott Decker Coal only.)	
(TT111 special only for Eney Economics or Kele)	

TT111 special only for DawTech & Siemens	
TT190/221K special only for IN.CO.LTD-EUROPE	
TT269	
FOR TT272KU	
FOR TT272KU,JU	
NT = No Transmitter on Humidity xmtrs, Do not use	
TT111FX special only for Reliance	

Duplicate range;same as "MM" range. Do not use QV.	
Duplicate range;same as "N" range. Do not use QW.	
TT190J special for Currier/Rosier	
Was 32 to 77F, I fixed the zero. MCC 05/31/08	
TT308 special for Huntair	
TT308 special for Huntair	
TI196	
Not available for use	
Thermistor order (TX) for Chris E.	
Special for TT308	

TT807, Kele	
For CO#1506050 04/07/08 MCC	
For CO#1506050 04/07/08 MCC	
Skip, looks too much like "W" MCC 04/30/08, Used for TT375 range. Will never see the VV. 7/28/08 SMU	
For RFQ1204722 04/30/08 MCC	
** Quoted to Reed on 11/2000	
** Quoted to Reed on 01/08/2001	
For CO#1506050 04/07/08 MCC	
(Originally setup for calibration of a TT216)	
** Quoted to Marty D. on 03/20/2001	
Used for TT809	
Setup for INOR TT232	
B/M made for TT211-no joborder	
**Special for TT246 500 ohm platinum 16-286175	
**Quoted to Keith for TT676 on 12/5/01	

Range Code						
A	A	A	PA PB PD PE		A	A
AA	AA	AA	PA PB PD PE		A	
AB	AB	AB	PA PB PD PE		AB	AB
AC	AC	AC	PA PB PD PE		AB	
AD	AD	AD	PA PB PD PE		AB	
AE	AD				AB	
AF	AD				AB	
AG	AG	AG	PA PB PD PE		AB	
AH	AH	AH	PA PB PD PE		AB	
AI	AI	AI	PA PB PD PE		AI	AI
AJ	AI				AI	
AK	AI				AI	
AL	AL	AL	PA PB PD PE		AI	
AM	AL				AI	
AN	AN	AN	PA PB PD PE		AI	
AO	AO	AO	PA PB PD PE		AI	
AP	AO				AI	
AQ	AO				AI	
AR	AO				AI	
AS	AS	AS	PA PB PD PE		AI	
AT	AS				AI	
AU	AU	AU	PA PB PD PE		AI	
AV	AV	AV	PA PB PD PE		AI	
AW	AW	AW	PA PB PD PE		AI	
AX	AX	AX	PA PB PD PE		AI	
AY	AY	AY	PA PB PD PE		AI	
AZ	AY				AI	
B	B	B	PA PB PD PE		AI	
BA	B				AI	
BB	B				AI	
BC	BC	BC	PA PB PD PE		AI	
BD	BC				AI	

BE	BE	BE	PA PB PD PE		AI	
BF	BF	BF	PA PB PD PE		AI	
BG	BG	BG	PA PB PD PE		AI	
BH	BG				AI	
BI	BI	BI	PA PB PD PE		AI	
BJ	BI				AI	
BK	BI				AI	
BL	BI				AI	
BM	BI				AI	
BN	BI				BN	BN
BO	BO	BO	PA PB PD PE		BN	
BP	BP	BP	PA PB PD PE		BN	
BQ	BP				BN	
BR	BR	BR	PA PB PD PE		BN	
BS	BS	BS	PA PB PD PE		BN	
BT	BS				BN	
BU	BS				BN	
BV	BS				BN	
BW	BW	BW	PA PB PD PE		BN	
BX	BW				BN	
BY	BY	BY	PA PB PD PE		BN	
BZ	BZ	BZ	PA PB PD PE		BN	
C	C	C	PA PB PD PE		BN	
CA	C				BN	
CB	C				BN	
CC	C				BN	
CD	C				BN	
CE	C				BN	
CF	C				BN	
CG	C				BN	
CH	C				BN	
CI	C				BN	
CJ	C				BN	
CK	C				BN	

CL	C				BN	
CM	C				BN	
CN	C				BN	
CO	C				BN	
CP	C				BN	
CQ	C				BN	
CR	C				BN	
CS	C				BN	
CT	C				BN	
CU	C				BN	
CV	C				BN	
CW	C				BN	
CX	C				BN	
CY	C				BN	
CZ	C				BN	
D	D	D	PA PB PD PE		BN	
DA	DA	DA	PA PB PD PE		DA	DA
DB	DB	DB	PA PB PD PE		DA	
DC	DB				DA	
DD	DB				DA	
DE	DB				DA	
DF	DB				DA	
DG	DG	DG	PA PB PD PE		DA	
DH	DH	DH	PA PB PD PE		DA	
DI	DH				DA	
DJ	DH				DA	
DK	DH				DA	
DL	DL	DL	PA PB PD PE		DA	
DM	DL				DA	
DN	DN	DN	PA PB PD PE		DA	
DO	DO	DO	PA PB PD PE		DO	DO
DP	DP	DP	PA PB PD PE		DP	DP
DQ	DQ	DQ	PA PB PD PE		DP	
DR	DR	DR	PA PB PD PE		DP	

DS	DS	DS	PA PB PD PE		DP	
DT	DS				DP	
DU	DS				DP	
DV	DV	DV	PA PB PD PE		DP	
DW	DW	DW	PA PB PD PE		DP	
DX	DX	DX	PA PB PD PE		DX	DX
DY	DX				DX	
DZ	DX				DX	
E	E	E	PA PB PD PE		DX	
EA	EA	EA	PA PB PD PE		DX	
EB	EA				DX	
EC	EA				DX	
ED	EA				DX	
EE	EE	EE	PA PB PD PE		DX	
EF	EE				DX	
EG	EG	EG	PA PB PD PE		DX	
EH	EG				DX	
EI	EG				DX	
EJ	EJ	EJ	PA PB PD PE		DX	
EK	EJ				DX	
EL	EJ				DX	
EM	EM	EM	PA PB PD PE		DX	
EN	EN	EN	PA PB PD PE		EN	EN
EO	EO	EO	PA PB PD PE		EO	EO
EP	EO				EO	
EQ	EO				EO	
ER	ER	ER	PA PB PD PE		EO	
ES	ER				EO	
ET	ER				EO	
EU	ER				EO	
EV	EV	EV	PA PB PD PE		EO	
EW	EV				EO	
EX	EX	EX	PA PB PD PE		EX	EX
EY	EY	EY	PA PB PD PE		EY	EY

EZ	EZ	EZ	PA PB PD PE	EY
F	EZ			EY
G	EZ			EY
GA	GA	GA	PA PB PD PE	EY
GB	GA			EY
GC	GA			EY
GD	GA			EY
GE	GE	GE	PA PB PD PE	EY
GF	GE			EY
GG	GE			EY
GH	GE			EY
GI	GE			EY
GJ	GE			EY
GK	GE			EY
GL	GL	GL	PA PB PD PE	EY
GM	GL			EY
GN	GL			EY
GO	GO	GO	PA PB PD PE	EY
GP	GO			EY
GQ	GO			EY
GR	GO			EY
GS	GO			EY
GT	GO			EY
GU	GO			EY
GV	GV	GV	PA PB PD PE	EY
GW	GV			EY
GX	GV			EY
GY	GV			EY
GZ	GV			EY
H	H	H	PA PB PD PE	EY
HA	H			EY
HB	H			EY
HC	HC	HC	PA PB PD PE	EY
HD	HD	HD	PA PB PD PE	EY

HE	HD			EY
HF	HD			EY
HG	HG	HG	PA PB PD PE	EY
HH	HG			EY
HI	HG			EY
HJ	HG			EY
HK	HG			EY
HL	HL	HL	PA PB PD PE	EY
HM	HL			EY
HN	HL			EY
HO	HL			EY
HP	HP	HP	PA PB PD PE	EY
HQ	HP			EY
HR	HP			EY
HS	HP			EY
HT	HP			EY
HU	HP			EY
HV	HP			EY
HW	HP			EY
HX	HP			EY
HY	HP			EY
HZ	HP			EY
I	HP			EY
J	J	J	PA PB PD PE	EY
JA	J			EY
JB	J			EY
JC	JC	JC	PA PB PD PE	EY
JD	JC			EY
JE	JC			EY
JF	JC			EY
JG	JC			EY
JH	JH	JH	PA PB PD PE	EY
JI	JH			EY
JJ	JH			EY

JK	JH				EY	
JL	JH				EY	
JM	JH				EY	
JN	JH				EY	
JO	JH				EY	
JP	JH				EY	
JQ	JH				EY	
JR	JH				EY	
JS	JH				EY	
JT	JH				EY	
JU	JH				EY	
JV	JV	JV	PA PB PD PE		EY	
JW	JW	JW	PA PB PD PE		EY	
JX	JX	JX	PA PB PD PE		EY	
JY	JX				EY	
JZ	JX				EY	
K	K	K	PA PB PD PE		EY	
KA	K				EY	
KB	K				EY	
KC	K				EY	
KD	KD	KD	PA PB PD PE		EY	
KE	KD				EY	
KF	KF	KF	PA PB PD PE		EY	
KG	KF				EY	
KH	KH	KH	PA PB PD PE		EY	
KI	KH				EY	
KJ	KH				EY	
KK	KK	KK	PA PB PD PE		EY	
KL	KK				EY	
KM	KM	KM	PA PB PD PE		EY	
KN	KN	KN	PA PB PD PE		EY	
KO	KN				EY	
KP	KN				EY	
KQ	KQ	KQ	PA PB PD PE		EY	

KR	KQ			EY
KS	KQ			EY
KT	KT	KT	PA PB PD PE	EY
KU	KT			EY
KV	KT			EY
KW	KW	KW	PA PB PD PE	EY
KX	KW			EY
KY	KW			EY
KZ	KW			EY
L	L	L	PA PB PD PE	EY
LA	L			EY
LB	L			EY
LC	L			EY
LD	L			EY
LE	L			EY
LF	LF	LF	PA PB PD PE	EY
LG	LF			EY
LH	LF			EY
LI	LF			EY
LJ	LJ	LJ	PA PB PD PE	EY
LK	LK	LK	PA PB PD PE	EY
LL	LK			EY
LM	LK			EY
LN	LN	LN	PA PB PD PE	EY
LO	LO	LO	PA PB PD PE	EY
LP	LO			EY
LQ	LO			EY
LR	LO			EY
LS	LO			EY
LT	LT	LT	PA PB PD PE	EY
LU	LT			EY
LV	LT			EY
LW	LT			EY
LX	LX	LX	PA PB PD PE	EY

LY	LX			EY
LZ	LX			EY
M	M	M	PA PB PD PE	EY
MA	M			EY
MB	M			EY
MC	M			EY
MD	M			EY
ME	M			EY
MF	M			EY
MG	M			EY
MH	M			EY
MI	M			EY
MJ	M			EY
MK	M			EY
ML	M			EY
MN	M			EY
MO	M			EY
MP	M			EY
MQ	M			EY
MR	MR	MR	PA PB PD PE	EY
MS	MS	MS	PA PB PD PE	EY
MT	MS			EY
MU	MS			EY
MV	MS			EY
MW	MS			EY
MX	MS			EY
MM	M			EY
MY	MS			EY
MZ	MS			EY
N	N	N	PA PB PD PE	EY
NT	N			EY
P	P	P	PA PB PD PE	EY
Q	P			EY
QA	QA	QA	PA PB PD PE	EY

QB	QA				EY	
QC	QA				EY	
QD	QA				EY	
QE	QA				EY	
QF	QA				EY	
QG	QA				EY	
QI	QA				EY	
QJ	QA				EY	
QK	QA				EY	
QL	QA				EY	
QM	QA				EY	
QN	QA				EY	
QO	QA				EY	
QP	QP	QP	PA PB PD PE		EY	
QH	QA				EY	
QR	QR	QR	PA PB PD PE		EY	
QS	QR				EY	
QT	QR				EY	
QU	QR				EY	
QV	QR				EY	
QW	QR				EY	
QX	QX	QX	PA PB PD PE		EY	
QY	QX				EY	
QZ	QX				EY	
R	R	R	PA PB PD PE		EY	
S	S	S	PA PB PD PE		S	S
SA	S				S	
SB	SB	SB	PA PB PD PE		S	
SC	SC	SC	PA PB PD PE		S	
SD	SC				S	
SE	SC				S	
SF	SC				S	
SG	SC				S	
SH	SH	SH	PA PB PD PE		S	

SI	SH				S	
SJ	SH				S	
SK	SH				S	
SL	SH				S	
SM	SH				S	
SN	SH				S	
SP	SH				S	
SR	SH				S	
SS	SH				S	
ST	SH				S	
SU	SH				S	
SV	SH				S	
SQ	SH				S	
SW	SH				S	
SX	SH				S	
SY	SH				S	
SZ	SH				S	
T	SH				S	
TA	SH				S	
TB	SH				S	
SX	SH				S	
TC	SH				S	
TD	SH				S	
TE	SH				S	
TF	SH				S	
TG	SH				S	
TH	SH				S	
TK	SH				S	
TL	SH				S	
TM	SH				S	
TN	SH				S	
TJ	SH				S	
TP	SH				S	
TQ	SH				TQ	TQ

TR	SH				TQ	
TS	SH				TQ	
TT	SH				TQ	
TU	TU	TU	PA PB PD PE		TQ	
TV	TU				TQ	
TW	TU				TQ	
TY	TU				TQ	
TZ	TU				TQ	
U	U	U	PA PB PD PE		U	U
UA	U				U	
UB	U				U	
UC	U				U	
UD	UD	UD	PA PB PD PE		U	
UE	UE	UE	PA PB PD PE		U	
UF	UE				U	
UG	UE				U	
UH	UE				U	
UI	UE				U	
UJ	UE				U	
UK	UE				U	
UL	UE				U	
UM	UE				UM	UM
UN	UE				UM	
UP	UE				UM	
UQ	UE				UM	
UR	UE				UM	
US	UE				UM	
UT	UE				UM	
UV	UE				UM	
UW	UE				UM	
UY	UE				UM	
UZ	UE				UM	
V	V	V	PA PB PD PE		UM	
VA	V				UM	

VB	V				UM	
VC	V				UM	
VD	V				UM	
VE	V				UM	
VF	V				UM	
VG	V				UM	
VH	V				UM	
VJ	V				UM	
Vk	V				UM	
VL	V				UM	
VM	V				UM	
VN	V				UM	
VP	V				UM	
VQ	V				UM	
VR	V				UM	
VS	V				UM	
VT	V				UM	
VU	V				UM	
VV	V				UM	
VW	V				VW	VW
VX	V				VW	
VY	V				VW	
VZ	V				VW	
W	V				VW	
WA	V				VW	
WB	V				WB	WB
WC	V				WB	
WD	V				WB	
WE	V				WB	
WF	V				WB	
WG	V				WB	
WH	V				WB	
WJ	V				WB	
WK	V				WB	

WL	V				WB
WM	V				WB
WN	V				WB
WP	V				WB
WQ	V				WB
WR	WR	WR	PA PB PD PE		WB
WS	WR				WB
WT	WR				WB
WU	WR				WB
WV	WR				WB
WX	WR				WB
WY	WR				WB
WZ	WR				WB
XA	WR				WB
XB	WR				WB
XC	WR				WB
XD	WR				WB
XE	WR				WB
XF	WR				WB
XG	WR				WB
XH	WR				WB
XJ	WR				WB
XK	WR				WB
XL	WR				WB
XM	WR				WB
XN	WR				WB
XP	WR				WB
XQ	WR				WB
XR	WR				WB
XS	WR				WB
XT	WR				WB
XU	WR				WB
XV	WR				WB
XW	WR				WB

XY	WR				WB	
XZ	WR				WB	
Y	Y	Y	PA PB PD PE		Y	Y
YA	Y				YA	YA
YB	Y				YA	
YC	Y				YA	
YD	Y				YA	
YE	Y				YA	
YF	Y				YA	
YG	Y				YA	
YH	Y				YA	
YJ	Y				YA	
YK	Y				YA	
YL	Y				YA	
YM	Y				YA	
YN	Y				YA	
YP	Y				YA	
YQ	Y				YA	
YR	Y				YA	
YS	Y				YA	
YT	Y				YA	
YU	Y				YA	
YV	Y				YA	
YW	Y				YA	
YY	Y				YA	
YZ	Y				YA	
Z	Z	Z	PA PB PD PE		YA	
ZA	Z				YA	
ZB	Z				YA	
ZC	Z				YA	
ZD	Z				YA	
ZE	Z				YA	
ZF	Z				YA	
ZG	Z				YA	

ZH	Z				YA	
ZJ	Z				YA	
ZK	Z				YA	
ZL	Z				YA	
ZM	Z				YA	
ZN	Z				YA	
ZP	Z				YA	
ZQ	Z				YA	
ZR	Z				YA	
ZS	Z				YA	
ZT	Z				YA	
ZU	Z				YA	
ZV	Z				YA	
ZW	Z				YA	
ZY	Z				YA	
ZZ	ZZ	ZZ	PA PB PD PE		YA	

			Part No	Part Description
PF PW	PA PB PD PE PF PW	PA PB PD PE PF	380-TT211	Temptran, 0 to 100 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE PF PW	380-TT211PF1A	Temptran, 20 to 120 F, 1Kohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE	380-TT211PF1AB	Temptran, 0 to 600 F, 1K ohm PT
	PA PB PD PE	PA PB PD PE PF PW	380-TT211PF1AI	Temptran, -50 to 275 F, 1Kohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PF1BN	Temptran, 30 to 240 F, 1K ohm PT
		PA PB PD PE	380-TT211PF1DA	Temptran, 30 to 90 F, 1Kohm PT
			380-TT211PF1DO	Temptran, -20 to 120 F, 1K ohm PT
	PA PB PD PE		380-TT211PF1DP	Temptran, 30 to 100 F, 1K ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PF1DX	Temptran, 50 to 100 F, 1Kohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE	380-TT211PF1EN	Temptran, -20 to 140 F, 1K ohm PT
		PA PB PD PE PF PW	380-TT211PF1EO	Temptran, -58 to 212 F, 1k ohm PT
			380-TT211PF1EX	Temptran, -40 to 482 F, 1000 ohm PT
	PA PB PD PE		380-TT211PF1EY	Temptran, 0 to 250 F, 1Kohm PT
		PA PB PD PE	380-TT211PF1S	Temptran, 0 to 100 F, 1Kohm PT
	PA PB PD PE		380-TT211PF1TQ	Temptran, -22 to 158 F, 1K ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PF1U	Temptran, 30 to 80 F, 1K ohm PT
		PA PB PD PE	380-TT211PF1UM	Temptran, -60 to 60 F, 1K ohm PT
			380-TT211PF1VW	Temptran, 200 to 800 F, 1Kohm PT
			380-TT211PF1WB	Temptran, -40 to 257 F, 1K ohm PT
	PA PB PD PE		380-TT211PF1Y	Temptran, -50 to 50 F, 1Kohm PT
		PA PB PD PE	380-TT211PF1YA	Temptran, 57 to 87 F, 1K ohm PT
	PA PB PD PE		380-TT211PX1A	Temptran, 20 to 120 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1AA	Temptran, 0 to 800 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1AB	Temptran, 0 to 600 F, 100 Ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1AC	Temptran, 0 to 200 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1AD	Temptran, -40 to 120 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1AG	Temptran, 0 to 500 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1AH	Temptran, 50 to 110 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1AI	Temptran, -50 to 275 F, 100 ohm PT
			380-TT211PX1AL	Temptran, 300 to 800 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1AN	Temptran, 0 to 300 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1AO	Temptran, 50 to 300 F, 100 ohm PT

	PA PB PD PE		380-TT211PX1AS	Temptran, -30 to 130 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1AU	Temptran, 55 to 105 F, 100 Ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1AV	Temptran, 50 to 100 F, 230 ohm PT
		PA PB PD PE	380-TT211PX1AW	Temptran, 212 to 392 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1AX	Temptran, 212 to 572 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1AY	Temptran, 212 to 302 F, 100 ohm PT
			380-TT211PX1B	Temptran, -20 to 180 F, 100 ohm PT
			380-TT211PX1BC	Temptran, -22 to 86 F, 100 ohm PT
			380-TT211PX1BE	Temptran, -40 to 160 F, 100 ohm PT
PF PW	PF PW		380-TT211PX1BF	Temptran, 50 to 250 F, 100 ohm PT
	PA PB PD PE	PF PW	380-TT211PX1BG	Temptran, -30 to 500 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1BI	Temptran, 30 to 130 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1BO	Temptran, -60 to 120 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1BP	Temptran, -4 to 104 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1BR	Temptran, 150 to 250 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1BS	Temptran, 200 to 400 F, 100 ohm PT
			380-TT211PX1BW	Temptran, 32 to 482 F, 100 ohm PT
			380-TT211PX1BY	Temptran, 14 to 104 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1BZ	Temptran, 0 to 1000 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1C	Temptran, 32 to 212 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1D	Temptran, 70 to 220 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1DA	Temptran, 30 to 90 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1DB	Temptran, -4 to 212 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1DG	Temptran, -40 to 85 F, 100 ohm PT
			380-TT211PX1DH	Temptran, -328 to 212 F, 100 ohm PT
			380-TT211PX1DL	Temptran, 32 to 280 F, 100 ohm PT
			380-TT211PX1DN	Temptran, -22 to 122 F, 100 ohm PT
			380-TT211PX1DO	Temptran, -20 to 120 F, 100 ohm PT
			380-TT211PX1DP	Temptran, 30 to 100 F, 100 ohm PT
			380-TT211PX1DQ	Temptran, 30 to 150 F, 100 ohm PT
			380-TT211PX1DR	Temptran, -30 to 212 F, 100 ohm PT
			380-TT211PX1DS	Temptran, 0 to 400 F, 100 ohm PT
			380-TT211PX1DV	Temptran, 0 to 150 F, 100 ohm PT
			380-TT211PX1DW	Temptran, 50 to 550 F, 100 ohm PT

			380-TT211PX1DX	Temptran, 50 to 100 F, 100 ohm PT
			380-TT211PX1E	Temptran, 100 to 500 F, 100 ohm PT
			380-TT211PX1EA	Temptran, 15 to 65 F, 100 ohm PT
			380-TT211PX1EE	Temptran, -22 to 302 F, 100 ohm PT
			380-TT211PX1EG	Temptran, 32 to 104 F, 100 ohm PT
			380-TT211PX1EJ	Temptran, 68 to 212 F, 100 ohm PT
			380-TT211PX1EM	Temptran, 150 to 300 F, 100 ohm PT
			380-TT211PX1EN	Temptran, -20 to 140 F, 100 ohm PT
			380-TT211PX1EO	Temptran, -58 to 212 F, 100 ohm PT
			380-TT211PX1ER	Temptran, -22 to 320 F, 100 ohm PT
			380-TT211PX1EV	Temptran, 30 to 230 F, 100 ohm PT
			380-TT211PX1EX	Temptran, -40 to 482 F, 100 ohm PT
			380-TT211PX1EY	Temptran, 0 to 250 F, 100 ohm PT
			380-TT211PX1EZ	Temptran, -148 to 32 F, 100 ohm PT
			380-TT211PX1GA	Temptran, 200 to 700 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1GE	Temptran, 32 to 752 F, 100 ohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE	380-TT211PX1GL	Temptran, 14 to 230 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE PF PW	380-TT211PX1GO	Temptran, -13 to 122 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1GV	Temptran, 20 to 100 F, 100 ohm PT
			380-TT211PX1H	Temptran, 40 to 90 F, 100 ohm PT
			380-TT211PX1HC	Temptran, 30 to 120 F, 100 ohm PT
			380-TT211PX1HD	Temptran, 0 to 130 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1HG	Temptran, -325 to 100 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1HL	Temptran, 32 to 167 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1HP	Temptran, -110 to 200 F, 100 ohm PT
			380-TT211PX1J	Temptran, 32 to 302 F, 100 ohm PT
			380-TT211PX1JC	Temptran, 0 to 1500 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1JH	Temptran, 0 to 120 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1JV	Temptran, 500 to 1100 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1JW	Temptran, 32 to 932 F, 100 ohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE	380-TT211PX1JX	Temptran, -10 to 250 F, 100 ohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE PF PW	380-TT211PX1K	Temptran, 32 to 392 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE PF PW	380-TT211PX1KD	Temptran, -185 to -95 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1KF	Temptran, 50 to 400 F, 100 ohm PT

	PA PB PD PE	PA PB PD PE	380-TT211PX1KH	Temptran, 40 to 240 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1KK	Temptran, 30 to 180 F, 100 ohm PT
			380-TT211PX1KM	Temptran, 50 to 350 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1KN	Temptran, 40 to 110 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1KQ	Temptran, 50 to 200 F, 100 ohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE	380-TT211PX1KT	Temptran, 100 to 240 F, 100 ohm PT
		PA PB PD PE PF PW	380-TT211PX1KW	Temptran, 20 to 80 F, 100 ohm PT
			380-TT211PX1L	Temptran, -30 to 120 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1LF	Temptran, 32 to 572 F, 100 ohm PT
	PA PB PD PE	PA PB PD PE	380-TT211PX1LJ	Temptran, -30 to 240 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1LK	Temptran, 32 to 350 F, 100 ohm PT
			380-TT211PX1LN	Temptran, -148 to 212 F, 100 ohm PT
			380-TT211PX1LO	Temptran, 75 to 125 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1LT	Temptran, 40 to 210 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1LX	Temptran, 32 to 400 F, 100 Ohm PT
	PA PB PD PE		380-TT211PX1M	Temptran, -58 to 122 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1MR	Temptran, -58 to 500 F, 100 ohm PT
			380-TT211PX1MS	Temptran, -50 to 650 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1N	Temptran, 32 to 122 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1P	Temptran, 100 to 355 F, 100 ohm PT
			380-TT211PX1QA	Temptran, -30 to 50 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1QP	Temptran, 50 to 450 F, 100 ohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE	380-TT211PX1QR	Temptran, 32 to 257 F, 100 ohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE PF PW	380-TT211PX1QX	TEMPTRAN, 0 TO 80 F, 100 OHM PT
		PA PB PD PE PF PW	380-TT211PX1R	Temptran, -30 to 150 F, 100 ohm PT
			380-TT211PX1S	Temptran, 0 to 100 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1SB	Temptran, -100 to 100 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1SC	Temptran, -120 to 100 F, 100 Ohm PT
			380-TT211PX1SH	Temptran, -4 to 122 F, 100 Ohm PT
			380-TT211PX1TU	Temptran, -20 to 250 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1U	Temptran, 30 to 80 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1UD	Temptran, 14 to 212 F, 100 ohm PT
PF PW	PA PB PD PE PF PW		380-TT211PX1UE	Temptran, -40 to 302 F, 100 ohm PT
PF PW	PA PB PD PE PF PW	PA PB PD PE PF PW	380-TT211PX1V	Temptran, 50 to 150 F, 100 ohm PT

	PA PB PD PE	PA PB PD PE PF PW	380-TT211PX1WR	Temptran, -60 to 100 F, 100 ohm PT
		PA PB PD PE	380-TT211PX1Y	Temptran, -50 to 50 F, 100 ohm PT
			380-TT211PX1Z	Temptran, 100 to 250 F, 100 ohm PT
	PA PB PD PE		380-TT211PX1ZZ	Temptran, -13 to 185 F, 100 ohm PT
		PA PB PD PE		
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	PA PB PD PE			
		PA PB PD PE		

9	11	1	1
13	1A	A	A
14	AB	AB	AB
14	AI	AI	AI
14	BN	BN	BN
14	DA	DA	DA
14	DO	DO	DO
14	DP	DP	DP
14	DX	DX	DX
14	EN	EN	EN
14	EO	EO	EO
14	EX	EX	EX
14	EY	EY	EY
13	1S	S	S
14	TQ	TQ	TQ
13	1U	U	U
14	UM	UM	UM
14	VW	VW	VW
14	WB	WB	WB
13	1Y	Y	Y
14	YA	YA	YA
13	1A	A	A
14	AA	AA	AA
14	AB	AB	AB
14	AC	AC	AC
14	AD	AD	AD
14	AG	AG	AG
14	AH	AH	AH
14	AI	AI	AI
14	AL	AL	AL
14	AN	AN	AN
14	AO	AO	AO

14	AS	AS	AS
14	AU	AU	AU
14	AV	AV	AV
14	AW	AW	AW
14	AX	AX	AX
14	AY	AY	AY
13	1B	B	B
14	BC	BC	BC
14	BE	BE	BE
14	BF	BF	BF
14	BG	BG	BG
14	BI	BI	BI
14	BO	BO	BO
14	BP	BP	BP
14	BR	BR	BR
14	BS	BS	BS
14	BW	BW	BW
14	BY	BY	BY
14	BZ	BZ	BZ
13	1C	C	C
13	1D	D	D
14	DA	DA	DA
14	DB	DB	DB
14	DG	DG	DG
14	DH	DH	DH
14	DL	DL	DL
14	DN	DN	DN
14	DO	DO	DO
14	DP	DP	DP
14	DQ	DQ	DQ
14	DR	DR	DR
14	DS	DS	DS
14	DV	DV	DV
14	DW	DW	DW

14	DX	DX	DX
13	1E	E	E
14	EA	EA	EA
14	EE	EE	EE
14	EG	EG	EG
14	EJ	EJ	EJ
14	EM	EM	EM
14	EN	EN	EN
14	EO	EO	EO
14	ER	ER	ER
14	EV	EV	EV
14	EX	EX	EX
14	EY	EY	EY
14	EZ	EZ	EZ
14	GA	GA	GA
14	GE	GE	GE
14	GL	GL	GL
14	GO	GO	GO
14	GV	GV	GV
13	1H	H	H
14	HC	HC	HC
14	HD	HD	HD
14	HG	HG	HG
14	HL	HL	HL
14	HP	HP	HP
13	1J	J	J
14	JC	JC	JC
14	JH	JH	JH
14	JV	JV	JV
14	JW	JW	JW
14	JX	JX	JX
13	1K	K	K
14	KD	KD	KD
14	KF	KF	KF

14	KH	KH	KH
14	KK	KK	KK
14	KM	KM	KM
14	KN	KN	KN
14	KQ	KQ	KQ
14	KT	KT	KT
14	KW	KW	KW
13	1L	L	L
14	LF	LF	LF
14	LJ	LJ	LJ
14	LK	LK	LK
14	LN	LN	LN
14	LO	LO	LO
14	LT	LT	LT
14	LX	LX	LX
13	1M	M	M
14	MR	MR	MR
14	MS	MS	MS
13	1N	N	N
13	1P	P	P
14	QA	QA	QA
14	QP	QP	QP
14	QR	QR	QR
14	QX	QX	QX
13	1R	R	R
13	1S	S	S
14	SB	SB	SB
14	SC	SC	SC
14	SH	SH	SH
14	TU	TU	TU
13	1U	U	U
14	UD	UD	UD
14	UE	UE	UE
13	1V	V	V

14	WR	WR	WR
13	1Y	Y	Y
13	1Z	Z	Z
14	ZZ	ZZ	ZZ

1. Simply use the Find (Ctrl-F) function to find a keyword or else use the AutoFilter function (already displayed) to organize data.
2. Example: Click "Zero °F" button, then select "Custom". In the "Custom AutoFilter" box which appears, select "equals" from the bottom of the first drop-down list box.
3. Type "32" in the next box, then choose the OK button. Only ranges starting at 32°F will be shown.
4. Select View, AutoFilter to restore the full list.

		--- Temperature Range ---				--- RTD Temptrans ---				--- Thermocouple Temptrans ---						
WIDTH	Range Code	Zero °F	Span °F	Zero °C	Span °C	TT110, TT111, TT210, TT211, TT829		TT176, TT246, TT220		TT321, TT821, TT831, TT921		TT190, TT221		TT205		Comments
						Platinum elements	Other elements	Elements	Not Avail.	T/C Types	Not Avail.	T/C Types	Not Avail.			
-141.2	ZM	170.6	29.4	77.0	-1.4	*****	*****	*****	CA							Special for Wagner Equipment, per Kent D. 7/15/05
16	QJ	69	85	20.6	29.4	*****	*****	PA PB PD PE	CA							
18	JI	32	50	0.0	10.0	*****	*****	PA PB PD PE	CA							
18	SL	59	77	15.0	25.0	*****	*****		CA							TT308 special for Huntair
18	SP	60.8	78.8	16.0	26.0	*****	*****		CA							TT308 special for Huntair
18	GZ	64.4	82.4	18.0	28.0	*****	*****	PA PB PD PE	CA							
18	VA	68	86	20.0	30.0	*****	*****	PA PB PD PE	CA							
18	SR	77	95	25.0	35.0	*****	*****	PA PB PD PE	CA							
20	SF	30	50	-1.1	10.0	*****	*****	PA PB PD PE	CA							
20	JK	40	60	4.4	15.6	*****	*****	PA PB PD PE PF	CA							
20	WY	50	70	10.0	21.1	*****	*****	PA PB PD PE	CA							
20	WZ	60	80	15.6	26.7	*****	*****	PA PB PD PE	CA							
20.4	KY	57.8	78.2	14.3	25.7	*****	*****	PA PB PD PE	CA							
25	XM	10	35	-12.2	1.7	*****	*****	PA PB PD PE	CA							
25	XN	20	45	-6.7	7.2	*****	*****	PA PB PD PE	CA							
25	XP	45	70	7.2	21.1	*****	*****	PA PB PD PE	CA							
25	YY	55	80	12.8	26.7	*****	*****	PA PB PD PE	CA							
30	GT	20	50	-6.7	10.0	*****	*****	PA PB PD PE	CA							
30	HJ	35	65	1.7	18.3	*****	*****	PA PB PD PE	CA							
30	YA	57	87	13.9	30.6	*****	*****	PF PW	CA							
30	MY	100	130	37.8	54.4	*****	*****	PA PB PD PE	CA							
35	TW	50	85	10.0	29.4	*****	*****	PA PB PD PE	CA							
36	XL	23	59	-5.0	15.0	*****	*****	PA PB PD PE	CA							
36	LS	32	68	0.0	20.0	*****	*****	PA PB PD PE	CA							
36	TP	50	86	10.0	30.0	*****	*****		CA							Special for TT308
36	SV	68	104	20.0	40.0	*****	*****		CA							TI196
36	EW	86	122	30.0	50.0	*****	*****		CA							
36	YU	374	410	190.0	210.0	*****	*****	PF	CA							
40	GM	60	100	15.6	37.8	*****	*****		CA							
40	QG	85	125	29.4	51.7	*****	*****	PA PB PD PE	CA							(Special TT111 for Capsugel, Gam, Shealy, Scott Decker Coal)
43	YG	32	75	0.0	23.9	*****	*****	PA PB PD PE	CA							
45	GI	-13	32	-25.0	0.0	*****	*****	PA PB PD PE	CA							
45	GJ	23	68	-5.0	20.0	*****	*****		CA							(TT115/TT155 special for Temflex/Quontime only.)
45	SJ	32	77	0.0	25.0	*****	*****	PA PB PD PE	CA							
45	KU	35	80	1.7	26.7	*****	*****		CA							(TT111 special only for Johnson Controls)
45	ME	40	85	4.4	29.4	*****	*****	PA PB PD PE	CA							TT111 special only for DawTech & Siemens
45	GS	50	95	10.0	35.0	*****	*****		CA							(TT111 special only for Enery Economics or Kele)
45	GK	59	104	15.0	40.0	*****	*****		CA							
46	WC	34	80	1.1	26.7	*****	*****		CA							** Quoted to Reed on 11/2000
50	ZW	-30	20	-34.4	-6.7	*****	*****	PW	CA							
50	G	-10	40	-23.3	4.4	*****	*****	PA PB PD PE PF PW	CA							
50	MN	0	50	-17.8	10.0	*****	*****	PA PB PD PE PF PW	CA							
50	BM	10	60	-12.2	15.6	*****	*****	PA PB PD PE	CA							
50	EA	15	65	-9.4	18.3	*****	*****	PA PB PD PE PF PW	CA							
50	AP	20	70	-6.7	21.1	*****	*****	PA PB PD PE PF PW	CA	PA PB PD PE	PA PB PD PE					
50	MO	25	75	-3.9	23.9	*****	*****	PA PB PD PE PF PW	CA							
50	U	30	80	-1.1	26.7	*****	*****	PA PB PD PE PF PW	CA	PA PB PD PE	PA PB PD PE					
50	H	40	90	4.4	32.2	*****	*****	PA PB PD PE PF PW	CA	PA PB PD PE	PA PB PD PE					
50	KP	42	92	5.6	33.3	*****	*****	PA PB PD PE PF	CA							
50	DU	45	95	7.2	35.0	*****	*****	PA PB PD PE PL	CA							
50	DX	50	100	10.0	37.8	*****	*****	PA PB PD PE PF PW	CA	PA PB PD PE	PA PB PD PE					
50	AU	55	105	12.8	40.6	*****	*****	PA PB PD PE PF PW	CA							
50	KO	60	110	15.6	43.3	*****	*****	PA PB PD PE	CA							
50	DZ	70	120	21.1	48.9	*****	*****	PA PB PD PE	CA							
50	LO	75	125	23.9	51.7	*****	*****	PA PB PD PE	CA							
50	JU	100	150	37.8	65.6	*****	*****	PA PB PD PE	CA							
50.4	DF	165.2	215.6	74.0	102.0	*****	*****	PA PB PD PE PF PW	CA							
54	YH	-22	32	-30.0	0.0	*****	*****	PA PB PD PE	CA							
54	YT	14	68	-10.0	20.0	*****	*****	PF PW	CA							
54	WE	32	86	0.0	30.0	*****	*****	PF PW	CA							
54	XB	50	104	10.0	40.0	*****	*****		CA							
54	BD	347	401	175.0	205.0	*****	*****	PA PB PD PE PF	CA							
55	YC	-20	35	-28.9	1.7	*****	*****		CA							
60	HB	10	70	-12.2	21.1	*****	*****	PA PB PD PE PF PW	CA							
60	KW	20	80	-6.7	26.7	*****	*****	PA PB PD PE	CA							
60	DA	30	90	-1.1	32.2	*****	*****	PA PB PD PE PF PW	CA							
60	BU	40	100	4.4	37.8	*****	*****	PA PB PD PE PF PW	CA	PA PB PD PE	PA PB PD PE					
60	AH	50	110	10.0	43.3	*****	*****	PA PB PD PE	CA							
60	DM	70	130	21.1	54.4	*****	*****	PA PB PD PE PF	CA							
65	JZ	0	65	-17.8	18.3	*****	*****	PA PB PD PE	CA							
65	JL	35	100	1.7	37.8	*****	*****	PA PB PD PE	CA							
68	GQ	32	100	0.0	37.8	*****	*****	PA PB PD PE PF PW	CA							
70	AR	-60	10	-51.1	-12.2	*****	*****	PA PB PD PE	CA							
70	KV	0	70	-17.8	21.1	*****	*****		CA							
70	GB	15	85	-9.4	29.4	*****	*****	PA PB PD PE PF PW	CA							
70	DP	30	100	-1.1	37.8	*****	*****	PA PB PD PE PF PW	CA							
70	KN	40	110	4.4	43.3	*****	*****	PA PB PD PE PF	CA							
70	ED	50	120	10.0	48.9	*****	*****	PA PB PD PE PF PW	CA							
72	TM	-274	-202	-170.0	-130.0	*****	*****	PF PW	CA NA							
72	TG	-256	-184	-160.0	-120.0	*****	*****	PA PB PD PE	CA NA							
72	TF	-148	-76	-100.0	-60.0	*****	*****	PA PB PD PE	CA	PA PB PD PE	PA PB PD PE					
72	TL	-40	32	-40.0	0.0	*****	*****	PA PB PD PE PF PW	CA	PA PB PD PE	PA PB PD PE					
72	MA	-4	68	-20.0	20.0	*****	*****		CA							
72	YJ	14	86	-10.0	30.0	*****	*****	PA PB PD PE	CA	PA PB PD PE	PA PB PD PE					
72	XV	23	95	-5.0	35.0	*****	*****		CA							
72	EG	32	104	0.0	40.0	*****	*****	PA PB PD PE PF PW	CA							
72	QO	41	113	5.0	45.0	*****	*****	PA PB PD PE	CA							
75	DY	25	100	-3.9	37.8	*****	*****	PA PB PD PE	CA							
80	QU	-120	-40	-84.4	-40.0	*****	*****	PF PW	CA							

80	QA	-30	50	-34.4	10.0	PA PB PD PE PF PW	NA	PA PB PD PE	CA											
80	QX	0	80	-17.8	26.7	PA PB PD PE			CA											
80	LH	10	90	-12.2	32.2	PA PB PD PE			CA											
80	GV	20	100	-6.7	37.8	PA PB PD PE PF PW		PA PB PD PE	CA											
80	EK	30	110	-1.1	43.3	PA PB PD PE PF PW			CA											
80	QL	40	120	4.4	48.9	PF PW	FC		CA											
80	UR	50	130	10.0	54.4			PA PB PD PE	CA											
80	VR	60	140	15.6	60.0															
80	HQ	80	160	26.7	71.1	PA PB PD PE			CA										TT807, Kele	
80	MP	150	230	65.6	110.0			PA PB PD PE	CA											
85	MF	35	120	1.7	48.9	PA PB PD PE PF			CA											
85	UF	45	130	7.2	54.4			PA PB PD PE	CA											
90	DC	-328	-238	-200.0	-150.0	PA PB PD PE	*****		CA NA											
90	KD	-185	-95	-120.6	-70.6	PA PB PD PE	*****		CA NA											
90	XU	-58	32	-50.0	0.0	PA PB PD PE			CA											
90	WT	-40	50	-40.0	10.0	PA PB PD PE			CA											B/M made for TT211-no joborder
90	EQ	-30	60	-34.4	15.6				CA											
90	TD	-22	68	-30.0	20.0	PA PB PD PE			CA											
90	BY	14	104	-10.0	40.0	PA PB PD PE		PA PB PD PE	CA		PF PW									
90	HC	30	120	-1.1	48.9	PA PB PD PE PF PW			CA											
90	N	32	122	0.0	50.0	PA PB PD PE PF PW	FB FC	PA PB PD PE	CA	PA PB PD PE		PA PB PD PE								
90	SG	33.8	123.8	1.0	51.0	PA PB PD PE			CA											
90	XH	40	130	4.4	54.4			PA PB PD PE	CA											
90	XJ	77	167	25.0	75.0	PA PB PD PE		PA PB PD PE	CA											
90	WD	120	210	48.9	98.9	PA PB PD PE		PA PB PD PE	CA											RFQ1211420 1/14/2009
90	QZ	122	212	50.0	100.0	PA PB PD PE			CA											
90	AY	212	302	100.0	150.0	PA PB PD PE			CA											
95	XD	-20	75	-28.9	23.9			PA PB PD PE	CA											
95	XS	35	130	1.7	54.4			PA PB PD PE	CA											
98	YQ	32	130	0.0	54.4			PA PB PD PE	CA											
99	GR	21	120	-6.1	48.9	PF PW			CA											
99	YF	113	212	45.0	100.0				CA											
100	SM	-280	-180	-173.3	-117.8	PA PB PD PE	*****		CA NA											
100	SZ	-150	-50	-101.1	-45.6	PA PB PD PE	*****		CA NA											
100	SK	-100	0	-73.3	-17.8	PA PB PD PE			CA											
100	JB	-99	1	-72.8	-17.2	PA PB PD PE			CA											
100	Y	-50	50	-45.6	10.0	PA PB PD PE PF PW	FB FC	PA PB PD PE	CA											
100	I	-10	90	-23.3	32.2	PA PB PD PE PF PW	FB		CA											
100	S	0	100	-17.8	37.8	PA PB PD PE PF PG PW	FB	PA PB PD PE PW	CA	PA PB PD PE		PA PB PD PE								
100	A	20	120	-6.7	48.9	PA PB PD PE PF PW	FA FB FC NA	PA PB PD PE PF	CA	PA PB PD PE		PA PB PD PE								(TT220CA1A special only for Esterline Angus)
100	QE	22	122	-5.6	50.0	PA PB PD PE			CA											
100	BI	30	130	-1.1	54.4	PA PB PD PE PF PW		PA PB PD PE PF PW	CA	PA PB PD PE		PA PB PD PE								
100	BK	40	140	4.4	60.0	PA PB PD PE PF PW	FB		CA	PA PB PD PE		PA PB PD PE								
100	V	50	150	10.0	65.6	PA PB PD PE PF PW	FA FB NA	PA PB PD PE	CA											
100	MJ	75	175	23.9	79.4	PA PB PD PE			CA											
100	EC	80	180	26.7	82.2		FB		CA											
100	HK	90	190	32.2	87.8	PA PB PD PE			CA											
100	W	100	200	37.8	93.3	PA PB PD PE		PA PB PD PE	CA											
100	BR	150	250	65.6	121.1	PA PB PD PE		PA PB PD PE	CA											
100	BX	200	300	93.3	148.9	PA PB PD PE PF PW			CA											
100	DJ	235	335	112.8	168.3	PA PB PD PE			CA											
100	DK	250	350	121.1	176.7	PA PB PD PE		PA PB PD PE	CA											
100	F	300	400	148.9	204.4		FB		CA											
104	SY	26	130	-3.3	54.4			PA PB PD PE	CA											
105	VV	-25	80	-31.7	26.7	PA PB PD PE			CA											**Quoted to Keith for TT676 on 12/5/01
105	DD	35	140	1.7	60.0	PA PB PD PE		PA PB PD PE	CA											
106	XC	34	140	1.1	60.0	PA PB PD PE		PA PB PD PE	CA											
108	AT	-148	-40	-100.0	-40.0	PA PB PD PE PF PW			CA											
108	BC	-22	86	-30.0	30.0	PA PB PD PE		PA PB PD PE	CA	PA PB PD PE		PA PB PD PE								
108	BP	-4	104	-20.0	40.0	PA PB PD PE	FC	PA PB PD PE	CA	PA PB PD PE		PA PB PD PE								
108	AJ	14	122	-10.0	50.0	PA PB PD PE		PA PB PD PE	CA											
108	SX	14	122	-10.0	50.0				CA											Not available for use
108	GW	23	131	-5.0	55.0	PA PB PD PE			CA											
108	WX	68	176	20.0	80.0	PA PB PD PE			CA											
110	EL	-30	80	-34.4	26.7				CA											
110	ZL	10	120	-12.2	48.9	PA PB PD PE			CA											TT801, Jeff Furlong, 5/17/05, Kele
110	UG	20	130	-6.7	54.4			PA PB PD PE	CA											
110	KG	40	150	4.4	65.6	PA PB PD PE			CA											
113	TB	17	130	-8.3	54.4			PA PB PD PE	CA											
115	TV	15	130	-9.4	54.4			PA PB PD PE	CA											
115	SU	25	140	-3.9	60.0			PA PB PD PE	CA											
117	XQ	-373	-256	-225.0	-160.0	PA PB PD PE	*****	PA PB PD PE	CA NA											** Too cold, not available to use in TS102 book. Special- see
117	ET	-85	32	-65.0	0.0	PA PB PD PE PF PW			CA											
120	UM	-60	60	-51.1	15.6	PA PB PD PE PF			CA											
120	JH	0	120	-17.8	48.9	PA PB PD PE PF PW	FC	PA PB PD PE	CA	PA PB PD PE		PA PB PD PE								
120	TS	10	130	-12.2	54.4			PA PB PD PE	CA											
120	SN	20	140	-6.7	60.0			PA PB PD PE	CA											
120	DQ	30	150	-1.1	65.6	PA PB PD PE	FB	PA PB PD PE	CA											
120	BV	80	200	26.7	93.3	PA PB PD PE		PA PB PD PE	CA	PA PB PD PE		PA PB PD PE								
120	HF	300	420	148.9	215.6	PA PB PD PE		PA PB PD PE	CA											
125	DG	-40	85	-40.0	29.4	PA PB PD PE	FB FC	PA PB PD PE	CA	PA PB PD PE		PA PB PD PE								
125	ZU	0	125	-17.8	51.7	PW			CA											
125	UI	65	190	18.3	87.8	PA PB PD PE			CA											TT807, Chrissy Avery, Kele, 8/9/06
125	MK	75	200	23.9	93.3	PA PB PD PE			CA											
126	YL	-328	-202	-200.0	-130.0	PA PB PD PE	*****		CA NA											
126	MU	-40	86	-40.0	30.0	PA PB PD PE			CA	PA PB PD PE		PA PB PD PE								
126	YS	-22	104	-30.0	40.0			PA PB PD PE	CA											
126	SH	-4	122	-20.0	50.0	PA PB PD PE PF			CA											
130	ZR	-30	100	-34.4	37.8	PA PB PD PE			CA											
130	HD	0	130	-17.8	54.4	PA PB PD PE PF PW		PA PB PD PE	CA											3/3/06 Sharon Cross - Siemens
130	UW	50	180	10.0	82.2	PG			CA											
130	QV	60	190	15.6	87.8			PA PB PD PE	CA											RFQ1211760 01/21/09 MCC
135	MZ	-58	77	-50.0	25.0	PA PB PD PE			CA											
135	GO	-13	122	-25.0	50.0	PA PB PD PE			CA											
135	SW	-5	130	-20.6	54.4			PA PB PD PE	CA											
135	HL	32	167	0.0	75.0	PA PB PD PE		PA PB PD PE	CA											
135	TC	68	203	20.0	95.0				CA											
135	BA	257	392	125.0	200.0	PA PB PD PE		PA PB PD PE	CA											Thermistor order (TX) for Chris E.
135	AZ	347	482	175.0	250.0	PA PB PD PE		PA PB PD PE	CA											

2400	LV	0	2400	-17.8	1315.6	*****	*****	*****	*****		K	EJT	Ask Eng	EJT	
2880	JG	32	2912	0.0	1600.0	*****	*****	*****	*****		*****	EJKT	*****	EJKT	
	NT	*****	*****	*****	*****	*****	*****	*****	*****		*****	*****	*****	*****	NT = No Transmitter on Humidity xmtrs. Do not use
	ZV	*****	*****	*****	*****	*****	*****	*****	*****		*****	*****	*****	*****	Duplicate range; same as "ZQ" range; do not use