

Hyde Park Electronics, Inc.

Dayton, Ohio

Full Sensor Products/Chemical Compatibility

Hyde Park's ultrasonic sensor products are compatible with the chemicals listed below.

Please note that, for flammable or explosive chemicals at this time, NONE of the Hyde Park sensors is rated explosion-proof.

	ULTEM with Std Silicone Rubber Face	ULTEM with Special Fluorosilicone Rubber Face	Full Stainless Steel with PVC Cable
Acetic Acid	low temperatures only	N	low concentration only low temperatures only
Acetone	N	N	N
Ammonia Hydroxide	low concentration only low temperatures only	N	Y
Animal Oils	Y	Y	Y
Beer	Y	Y	Y
Benzoic Acid	N	N	Y
Benzene	N	N	N
Benzol	?U / ?S	?U / ?F	N
Boric Acid	?U	?U	Y
Brine	Y	Y	N
Butane	N	?U	N
Butyl Alcohol	N	Y	Y
Butyl Ether	N	N	?P
Camphor	?U / ?S	?U / ?F	Y
Carbonated Beverages	Y	Y	Y
Castor Oil	?U	?U	?SS
Chloracetic Acid	?U / ?S	N	low temperatures only
Chlorine	N	N	N
Chlorosulfonic Acid	N	N	low temperatures only
Chromic Acid	N	N	N
Citric Acid	low concentration only	low concentration only	Y
Clorox (5% Chlorox)	N	N	Y
Coconut Oil	?U	?U	?SS / ?P
Corn Oil	?U	?U	?SS / ?P
Cottonseed Oil	?U	?U	?SS
Cresylic Acid	N	N	low temperatures only
Detergents	Y	Y	Y
Diesel Fuel	N	Y	Y
Electroplating Solutions (see Plating Solutions)	N	N	Y
Ethyl Alcohol	N	N	Y
Ethyl Ether	N	?F	N
Ethylene Glycol	low temperatures only	Y	Y
Fat-Back	N	N	Y
Ferric Chloride	N	?U	N
Fish Oil	Y	Y	Y
Gallic Acid	?U / ?S	?U	Y
Gasoline	N	Y	Y
Glycerin	?U	?U	Y
Hydraulic Fluid	N	N	Y
Hydrochloric Acid	N	N	N
Hydrocyanic Acid	N	N	Y
Hydrofluoric Acid	N	N	N
Hydrogen Peroxide	Y	N	N

Inks (Solvent-Based)	N	Y	Y
Isopropyl Alcohol	Y	N	Y
Jet Fuel	N	N	Y
Kerosene	N	Y	Y
Ketchup	Y	Y	Y
Lactic Acid	Y	low temperatures only	Y
Linseed Oil	Y	Y	Y
Malic Acid	N	?U	Y
Mercury	?U / ?S	?U / ?F	Y
Methyl Alcohol	Y	Y	Y
Mineral Oil	N	?U	Y
Mineral Spirits	N	Y	Y
Naphtha	N	N	N
Nitric Acid	N	N	N
Oleic Acid	N	?U / ?F	Y
Petroleum-Based Oils	N	Y	Y
Phosphoric Acid	N	N	Y
Photographic Developer	N	?U / ?F	?SS
Pickling Solutions	N	N	?P
Plating/Electroplating Solutions: including	N	N	Y
- copper sulfate			
- copper cyanide			
- nickel sulfate			
- silver cyanide			
Potassium Hydroxide	N	N	?SS
Pyrogalllic Acid	?U / ?S	?U / ?F	low temperatures only
Salt (common table)	Y	Y	Y
Soap	Y	Y	Y
Sodium Bicarbonate	?U	?U	Y
Sodium Carbonate	Y	Y	Y
Sodium Chloride	?U	U?	low concentration only
Sodium Hydroxide	Y	N	Y
Sodium Phosphate	N	?U / ?F	Y
Sodium Silicate	Y	Y	Y
Sodium Sulfate	?U	?U	Y
Sodium Tripolyphosphate	?U / ?S	?U / ?F	?P
Steam	N	N	Y
Stearic Acid	N	?U / ?F	Y
Tannic Acid	N	?U	Y
Toluene	N	N	N
Tomato Paste	Y	Y	Y
Trichlorethane	N	N	?P
Trisodium Phosphate	?U / ?S	?U / ?F	Y
Vegetable Oils	N	Y	Y
Vinegar	Y	N	Y
Water	Y	Y	Y
Xylene	N	N	N

LEGEND: Y Compatible
N Not Compatible
?F Information not available on Fluorosilicone
?P Information not available on PVC
?S Information not available on Silicone
?SS Information not available on Stainless Steel
?U Information not available on ULTEM

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