

MONITOR and PROTECT YOUR PUMPS

Detects: Suction Loss • Bearing or Coupling Failure • Cavitation • Dry Run • Moisture Ingress

NK Technologies family of industrial current sensors provides cost-effective solutions for monitoring and protecting electric pump motors. Sensor outputs interface easily with modern control systems found in all industrial plants, including oil and gas, chemical, pharmaceutical, biotech, steel, paper, food, semiconductor, water, and waste water, among others.



Local Stocking Distributor: Trask Instrumentation Inc.

Fx: 864-848-9569 Email: mike@traskinst.com

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www.traskinstrumentation.com



AS Series Current Operated Switches

- Over or under current detection
- Optional time delay
- Normally open or normally closed contacts



Setpoint Range ___ 1-150 amps

Output _____ Isolated solid state switch

Power Supply ____ None –self powered

Response Time ___ < 120 ms Frequency ____ 6 to 400 Hz

Environmental ____ -40° to +133° F (-40° to +55° C) typical

Approvals _____ UL 508 (USA and Canada), CE

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Ground Fault Sensors

- Safety protection
- Motor leakage detection
- · Residual current sensing



Inputs _____ Single or three phase

Output _____ N.O. or N.C. solid state switch

SPDT Form C relay latching or auto-reset

Trip Points _____ 5/10/30 mA (jumper select)

5-950 mA adjustable

Environmental ____ 5° to $+158^{\circ}$ F (-15° to $+70^{\circ}$ C)

Approvals _____ UL 1053 Class 1 recognized*, CE

*Most models

Current Transducers

- Motor current monitoring
- Pump load measurement
- Pump performance monitoring



Input Range ____ 0-2000 amps

Output _____ 4-20 mA, 0-5 or 0-10 VDC

Response Time ___ < 300 ms typical Frequency ____ 10 to 400 Hz

Accuracy _____ < 1.0% FS

Environmental ____ -58° to +149° F (-50° to +65° C) typical

Approvals _____ UL 508 (USA and Canada), CE

Power Monitors

- Pump load monitoring
- Dry run protection
- Cavitation detection



Input Range _____ Single or 3^φ, 5-4000 A, 120-600 VAC

Output _____ 4-20mA (kW)

Comms (option) ___ Modbus RTU: 26 variables 3 \psi

Accuracy _____ 0.5% FS, true RMS power (+/- 0.5 Hz)

Environmental ____ 0°to +122°F (-18°to +50°C)

Approvals _____ UL 508 (USA and Canada)*, CE

* Most models