

AutomationDirect » Discrete and Analog Sensors

Discrete ON/OFF Sensor



Pushbuttons & Selector Switches

Fuji 22mm & 30mm
GCX 22mm & 30mm
Eaton 22mm & 30mm
Schmersal IP69K Harsh Duty
Captron Capacitive PB & SS
Killark Hazardous Control Stations



Proximity Sensors

Inductive

3,4,5,6,5,8,12,18,30mm & Rectangular
Regular or Harsh Duty

Magnetic

8,12,18mm & Rectangular

Capacitive

8,12,18,30mm & Rectangular

Ultrasonic

Diffuse Sensing Ranges in mm
300,400,600-900,1200-1600,2200-2500
3500,6000-8000,



Photoelectric

Fiber Optic

OPT, SSF, DFP/DFT up to 1800mm

Color

3 color, Fiberoptic up to 12 colors

Contrast

Wenglor - Print Mark Sensors

Fork

U-Frame and L-Frame "slot" sensors

Area/Light Screen

Multibeam arrays of photoelectric
Basic 320mm - Advanced 960mm

Laser - Distance Measuring

Wenglor - Distance or Background Suppression
Round Diffuse, Polarized Retroreflective,
Through Beam



Limit Switches

Eaton - NEMA Limit Switches
Plastic or Metal Compact Limit Switches
Pneumatic Limit Switches



Encoders - High Speed Pulse Input

Koyo - Rotary Encoders
Light Duty - Quadrature
Medium Duty - Quadrature
Heavy Duty - Quadrature
Absolute Encoders - Gray Code

Discrete ON/OFF Sensor



Temperature Switches

Mechanical Adjustment Dials
Digital Temperature Switches



Pressure Switches

Simple Setpoint-tripped signals



Level Switches

Float Level Switches - Buoyancy

Vibration Fork Liquid Level Switch - 316L SS

(air bubbles, foam, viscosity, temp, pH, or
turbulence applications in tanks, vessels, pipes)

Flowline Contact Sensors - vessel walls

Capacitive - good for solids or plastic pellets



Flow Switches

0.26 to 6.6 gpm - output PNP, NO

1.32 to 26.4 gpm - output PNP, NO



Current Switches

Single Range AC Current Operated
Multi Range AC Current Operated
Multi Range AC with Time Delay
Multi Range DC Current Operated
AC Current Indicator



Ground Fault

5,10, or 30ma Trip Point
SPST-NO, SPST-NC, SPDT energized,
SPDT normally deenergized
manual or automatic reset

Analog +/- 100% Sensor



Temperature

Thermocouple - Type J,K, & T

RTDs - Pt100

T/C & RTD Transmitters

Extension wire, cables, & accessories



Pressure Transmitters

Vacuum -14.5 to 0 psig

0 to 100in of water column

Prosense 0-15 0-30,0-100,0-200,0-500,0-1000

0-3000,0-5000 **psig ranges**

Ceramic Sensing Element, **Stainless Steel**

Differential Pressure Transmitters



Pressure Guages

Dial & Digital Pressure Guages

Air Diffentail Pressure Guages

Potable Water Pressure Regulators



Level

Flowline **Reflective Ultrasonic** 4-20mA or (4) SPST

Flowline **Ultrasonic** 4-20ma, 0-10V, or (4) SPST

Submersable Level Sensors 4-20mA



Voltage

AcuAmp Voltage Transducers

AC, DC, AC/DC input - 4-20mA output



Flow

Prosense Liquid Transmitters

0 to 6, 0 to 10, or 0-27 gpm - output 4-20mA

Magnetic Inductive

Thermal Flow Sensors

Vortex Flow Sensors

Water Mechanical Flow Sensors



Amperage

AC Current Transducers

AC Current Transducers (True RMS)

AC Current Transducers (Adaptive True RMS)

AC Current Transducers (3-Phase)

AC Current Transducers (3-ph True RMS)

DC Current Transducers



Linear Potentiometers

Gefran LT Series - 2.32" to 16.22" stroke

Plastic Injection & Vertical Presses

LVIT - Linear Variable Inductive Transducers

used for dimension measurements

automotive mil/aero test stands, robotic arms,
packaging equipment,0-10Vdc or 4-20ma output

Quantum Automation