Accu-Point

Product Data Sheet
103-200100
07/00

SENSALL® ACCU-POINT™ LEVEL SENSING SYSTEM

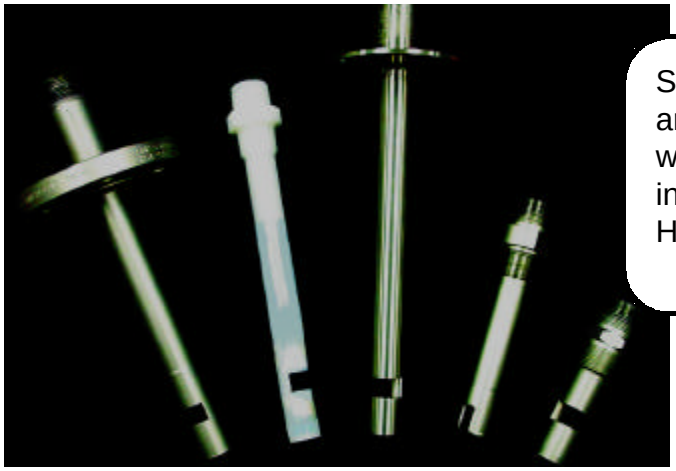
Superior Technology at a Dynamite Price!



The Accu-Point liquid level switch is a totally integrated ultrasonic level switch for use in vessels, storage tanks and pipes. Designed for use in liquid level applications, the Accu-Point liquid level switch with patented Time-Gate™ Technology offers superior sensitivity, accuracy and self-test capabilities.



Accu-Point switches are easy to install and require no calibration or maintenance. An indication light in the housing provides a quick way to check on the status of your system.



Sensors of a variety of material types are available to insure compatibility with your process. Sensor materials include 316 Stainless Steel, Hastelloy®, Teflon® and many others.

TN-KSI

Accu-Point

Sensor Operating Temperature and Pressure Range:

Metal gap/tip sensors:	-40° to 320°F (-40° to 160°C) -310° to 212°F (-190° to 100°C) Vacuum to 1,000 psig (vacuum to 6985 kPa) Metal 3/4" NPT sensors only
PFA:	0° to 200°F (-17° to 93°C) -10 to 100 psig (-69 to 689 kPa)
Kynar:	0° to 200° F (-17° to 93° C) -10 to 75 psig (-69 to 517 kPa)

Proof Pressure

1,500 pslg (10,342 KPa).
Ratings are for Metal 3/4" NPT sensors only

FMRC Approved for the Following:

Explosion-proof: Class 1, Division 1, Groups A, B, C & D; **Dust-ignition proof:** Class II, Division 1, Groups E, F & G/Class III, Hazardous Locations; **Non-Incendive:** Class I, Division 2, Groups A, B, C & D; **Indoor/Outdoor Use:** NEMA 4X (ANSI type 4X);

Accu-Point Two-wire Operation, Intrinsically Safe (Entity): Class I, Division 1, Groups A, B, C & D; **Explosion-proof:** Class I, Division 1, Groups A, B, C & D; **Dust-ignition proof:** Class II, Division 1, Groups E, F & G/Class III, Hazardous locations; **Non-incendive:** Class I, Division 2, Groups A, B, C & D/Suitable for Class II, Groups E & G/Suitable for Class III, Hazardous Locations; **Indoor/outdoor use:** NEMA 4X (ANSI

CSA certified for the following:*

Explosion-proof: Class I, Division 1, Groups C & D; **Dust-ignition proof:** Class II, Division 1, Groups E, F & G/Class III, Hazardous locations; **Non-incendive:** Class I, Division 2, Groups A, B, C & D/T4A Temperature Code (120°C); **Indoor/outdoor use:** Enclosure 4

*pending

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TN-KSI

Code	Base Unit
G	No approvals
F	FMRC (available August 2000) and CSA (available October 2000) standards

Code	Housing
P	Single point general purpose NEMA 4X plastic housing IEC IP 67 (Avail. Dec. 2000)
M	Single point explosion proof NEMA 4X 7/9 aluminum housing

Code	Electronics
J	9-44 VDC Input, 4-20mA intrinsically safe output
F	14-35 VDC input, relay output, SPDT, 7 amps, NO or NC
G	115 VAC input, relay output, SPDT, 7 amps, NO or NC
S	230 VAC input, relay output, SPDT, 7 amps, NO or NC

Code	Self test and time delay
S	Self test and variable time delay (3-9 seconds) Not available on PFA or Kynar
N	No self test, fixed time delay (3 seconds)

Code	Mounting Configuration
O	Standard mounting
T	Thermal isolator

Code	Sensor Type
P	Gap
T	Tip sensitive (316 Stainless Steel / Hastelloy® C)

Code	Sensor Material
S	316 Stainless
H	Hastelloy® C
U	Monel
V	316L Stainless Steel (tri-clover)
B	Hastelloy® B
Q	Carpenter® 20
J	Titanium
T	PFA Teflon® (no self test) max. length 48"
K	Kynar (no self test) max. length 48"

Code	Measurement Units for A Dimension
T	Inches
M	Millimeters

Code	Sensor A Dimension
0##0	Sensors are available in .5" increments only 0010-1200 for gap 0020-1200 for tip sensitive 0030-0480 for PFA and Kynar add 1" for flanged units
0##0	Sensors are available in 10mm increments only 0025-3048 for gap 0050-3048 for tip sensitive 0075-1219 for PFA and Kynar

Code	Flange/Fitting
N	3/4 NPT (material same as sensor)
P	1" NPT (316 SS or Hast-C only)
F	Flange 150lb. ANSI raised face (metal)
G	Flange 300lb. ANSI raised face (metal)
T	Tri-clover (16 AMP) sanitary fitting and 150 grit polished sensor (no 1" or 6")

Code	Flange Size
00	3/4" NPT
01	1" NPT (316 SS or Hast-C only)
10	1" Flange
15	1-1/2" Flange
20	2" Flange
25	2-1/2" Flange
30	3" Flange
40	4" Flange
60	6" Flange

Code	Fitting/Flange Material
S	316 Stainless Steel
H	Hastelloy® C
U	Monel
V	316L Stainless Steel (tri-clover)
B	Hastelloy® B
Q	Carpenter® 20
J	Titanium
D	316 Stainless Steel with PFA Teflon® face
T	PFA Teflon® (3/4" NPT only)
K	Kynar

F	M	G	S	O	P	S	T	0060	N	00	S	Typical system nomenclature

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