

# **PROCAP** Capacitance Level Sensors

### Simple. Rugged. Reliable.

- Triple thread screw on/off cover No more bolts!
- · Unsurpassed sensitivity and stability
- · No interference from RF signals
- Switch selectable high/low fail-safe
- "Quick-Set" calibration
- · Dual conduit entrance for improved wiring access
- Hazardous location approval standard
- Wetted parts are all 316 stainless steel
- Powder coat finish
- · Dual timer covered/uncovered flexibility



www.binmaster.com

### No plant equipment interference from RF signals

### **Innovative Design**

PROCAP capacitance probes use advanced integrated circuit technology operating at a low frequency to achieve both high sensitivity and stable calibration. The probe uses a simple timing technique that compares the discharge time of the probe capacitance to that of a reference capacitance. The probe's outstanding stability results from several factors.

• A single integrated circuit makes the critical timing comparison. Temperature variations have an equal effect on the timing of both the probe and reference capacitance and, therefore, cancel.

• The time interval at which the discharge comparison is repeated is not involved in the sensing process, making calibration independent of oscillator frequency and stability.

• Both the probe and the reference capacitance discharge are from a common voltage level. This makes calibration insensitive to power supply voltage variations.

• Equal internal capacitance in both the probe and reference circuitry make any temperature dependent changes to these component values cancel. In addition, these internal capacitors have zero temperature coefficients and are physically located together to assure they are at equal temperatures.

New calibration stability, along with static discharge survival, and RF immunity are three of the main reasons why BinMaster probes outperform the competition.

### **Interference Free**

BinMaster's PROCAP capacitance sensors provide high sensitivity and accurate level detection without using radio frequency (RF) signals. According to the Federal Communications Commission, signals in excess of 9 KHz are classified as "RF" and are prone to radiate. Competitive capacitance sensors which emit RF signals may interfere with nearby electronic plant equipment. Conversely, some competitive sensors utilizing RF are themselves susceptible to interference from other RF sources and may not function properly when a device such as a two-way radio is operated near them. BinMaster PROCAP capacitance probes are completely immune to such interference issues.

### **"Quick-Set"** Calibration

Calibrating PROCAP sensors is made simple and precise with the Quick-Set design using two single-turn potentiometers. One labeled "coarse" is used to compensate for the capacitance of the empty vessel. The other potentiometer labeled "fine" is set to the desired sensitivity for the vessel material. However, material does not need to be present when calibrating PROCAP sensors. Two quick turns and the sensor will maintain precise calibration and dependable operation even throughout extreme climate changes.

### **Principle of operation**

BinMaster's PROCAP capacitance sensors detect the presence or absence of material in contact

with the probe by sensing a change in capacitance caused by the difference in the dielectric constant of the vessel material and air. These sensors must be able to sense very small changes in capacitance, typically one picofarad. To sense such a small capacitance change, competitive manufacturers often use electronic circuits incorporating frequency shift oscillators and balanced bridges that must operate at high frequencies in the RF range. Most capacitance sensor manufacturers use frequencies between 100 KHz and 2 MHz.

BinMaster's capacitance probes use a unique discharge time constant detector circuit which allows sensing capacitance changes less than one picofarad without the need for radio frequencies. PROCAP capacitance sensors operate at approximately 6 KHz, well below the RF level and therefore are not subject to FCC regulation. Plus, because the PROCAP sensors operate at such a low frequency, they will not interfere with nearby electronic plant equipment and are not susceptible to interference from other equipment.



## **Quality Construction, Reliable Performance**

### Accurate & reliable level detection even in the harshest conditions

### **Pro-Shield Prevents False Readings**

PROCAP sensors feature PRO-Shield to guard against false readings from buildup on the probe or bridging between the sidewall and the probe. The shield is a portion of the probe that emits a non-sensing signal that forces the active signal to examine a large area around the probe. The PRO-Shield allows the PROCAP sensors to be used in vessels storing a wide variety of dusty, sticky, or clinging materials.

### Time Delay Minimizes False Signals

The time delay feature minimizes false signals from sudden material shifts or splashing liquids caused by process activities. The time delay operates by "delaying" a set period of time prior to acknowledging the signal for a change in the presence or absence of material. The time delay is simple to adjust and may be set up to 30 seconds. BinMaster also offers a dual timer capacitance probe with a flexible time delay for covered and uncovered conditions.

### New Fail-Safe Protection Eliminates Process Accidents

PROCAP capacitance sensors feature fail-safe protection to eliminate process accidents caused by a power failure. A high/low selectable switch allows the sensor to be set for fail-safe high or fail-safe low. VISUAL LED INDICATES SENSOR STATUS COVERED, UNCOVERED, OR FAILED CONDITION

"QUICK-SET" CALIBRATION

TRIPLE THREAD SCREW ON/OFF COVER

SELECTABLE HIGH/LOW FAIL-SAFE

HAZARDOUS LOCATION APPROVAL STANDARD

CAP LOCK

DUAL CONDUIT ENTRANCE

1-1/4" NPT AND 3/4" NPT MOUNT-STANDARD

PRO-SHIELD PROTECTS AGAINST BUILDUP

INSULATED SLEEVE: DURABLE DELRIN® OR HIGH TEMP TEFLON®

BARE, FLEXIBLE, FLUSH AND EXTENDED SENSING PROBES AVAILABLE

RUGGED 5/8" 316 STAINLESS STEEL SENSING PROBE FOR USE IN SOLID, LIQUID & SLURRY APPLICATIONS

## **PROCAP Sensors** Modular Design, Many Applications

### **Applications**

BinMaster's PROCAP capacitance sensors are designed for a wide array of applications. PROCAP sensors may be used in solid, liquid and slurry materials. The sensors may be used for high and low level detection in bins, silos, tanks, hoppers, chutes and other vessels where material is stored, processed or discharged.

### Detects Wide Range of Materials

Capacitance sensors are calibrated based on the dielectric constant of the material being detected. BinMaster's PROCAP sensors may be easily calibrated for detecting material with a dielectric constant ranging from 1.5 picofarad and greater. With the simple to use "Quick-Set" calibration, a PROCAP sensor can be set to detect your material in just a few seconds!



### **OEM Models**

The shielded, bare stainless steel probe was designed to allow customers to purchase one standard probe and adjust the length in the field. The probe can be cut down to 8" or extended to 8'. This will reduce cost, decreases lead times, and allows stocking of one probe.



### **Extended Models**

The flexible cable extension probe was designed for high, mid or low level detection when it is necessary to top mount the sensor. This probe is also very effective in aggregates, coal, or other lump materials that might damage a rigid probe. The maximum length of the cable is 35 feet. The cable can be cut to the desired length in the field.

### **Sanitary Models**

Sanitary versions for the food and pharmaceutical industries have no threads and feature a tri-clamp connection. These units are 3-A/USDA compliant and are food grade safe. Units are designed to operate in clean-in-place (CIP) applications in the food industry.



### **Flush Mounted Models**

This probe was designed for space constrained areas or applications where material flow or bridging may damage standard probes. The probe mounts flush on a vessel wall, conveyor housing or chute.



## **PROCAP Series** Mounting Flexibility, Various Configurations



### **Bendable Probe**

This probe can be bent to avoid obstructions in a vessel while still allowing adequate probe surface area to detect presence or absence of material. The bendable probe can be used in most solid materials; one popular use is in smaller mixers or containers for food processing applications.



**Hazardous Locations** PROCAP IX & IIX capacitance sensors are specially designed for hazardous location applications. The sensor housing is explosion proof for Class I, Groups C & D and Class II, Groups E, F & G. This model is available with a standard or flush mount sensing probe.





### **Remote Electronics**

Specially designed for hostile applications with high temperature or vibration, the probe and electronics are housed in separate enclosures. With this unique "split" configuration, the sensor's electronics may be safely mounted up to 75' from the sensing probe.



### **Auto-Calibration**

The PRO AUTO-CAL calibration procedures take seconds and can be performed through the unit's cover with the use of a magnet. This unit also allows simulation of either covered or uncovered conditions without accessing the probe assembly or electronics.

### Common PROCAP Material Applications

Calcium	Grains
Cement	Oils
Coal	Paints
Chemicals	Paper Pulp
Feed	Pellets
Fly Ash	Plastics
Food	Pharmaceuticals
Rubber	Sand



PROCAP | & II



### PROCAP IX & IIX

PROCAP I: Power	24 to 240 VAC or VDC Universal Power Supply
Ambient Temperature:	-20°F to +145°F (-28°C to +62°C)
PROCAP II: Power	115/230 VAC 50/60 Hz, 2.2VA
Ambient Temperature:	-40°F to +158°F (-40°C to +70°C)
Output Relay:	DPDT 10 Amp at 250 VAC
Probe:	250°F Delrin/Bare (121°C) 500°F Teflon (260°C <b>)</b>
Pressure:	500 psi, 3/4" mount
Sensitivity Setting:	Adjustable sensitivity to < 1 picofarad
Calibration:	"Quick Set" Coarse/fine single turn potentiometers
Fail-Safe:	Switch selectable high/low
Time Delay:	Dual delay covered/ uncovered up to 30 seconds
Enclosure:	Die cast aluminum, threaded cover, FDA recognized powder coat finish
Conduit Entry:	3/4" NPT
Mounting:	1-1/4" NPT or 3/4" NPT 316 SS
PRO-Shield:	Compensates for material buildup on sensing probe
Approval Rating:	Groups E, F & G Hazardous Locations. Enclosure Type NEMA 4X, 5, 9 & 12. € € Mark.
Status Indicator:	Visual LED indicates sensor status: uncovered, covered, and power failure
Probe Options:	Delrin, Teflon, food grade, flush mount, flexible extension, stubby shielded, outcoded shielded, bare

extended shielded, bare

shielded, lagged

#### PROCAP IX: 24 to 240 VAC or VDC Universal Power Supply Power Ambient -20°F to +145°F (-28°C to +62°C) Temperature: PROCAP IIX: 115/230 VAC 50/60 Hz, 2.2VA Power Ambient -40°F to +158°F (-40°C to +70°C) Temperature: Output DPDT 10 Amp at 250 VAC Relay: Probe: 250°F Delrin/Bare (121°C) 500°F Teflon (260°C) Pressure: 500 psi, 3/4" mount Sensitivity Adjustable sensitivity Setting: to < 1 picofarad Calibration: "Quick Set" Coarse/fine single turn potentiometers Fail-Safe: Switch selectable high/low Time Delay: Dual delay covered/ uncovered up to 30 seconds **Enclosure:** Die cast aluminum, threaded cover, FDA recognized powder coat finish **Conduit Entry:** 3/4" NPT 1-1/4" NPT or Mounting: 3/4" NPT 316 SS **PRO-Shield:** Compensates for material buildup on sensing probe 🐠 listed for Class I, Approval Rating: Groups C & D and Class II, Groups E, F & G, Hazardous Locations. Enclosure Type NEMA 4X, 5, 9 & 12. C€ Mark. Status Internal LED indicates material In contact with Indicator: probe Delrin, Teflon, food grade, flush mount, Probe Options: stubby shielded, extended

shielded, lagged



#### PROCAP I 3-A & II 3-A

PROCAP I: Power	24 to 240 VAC or VDC Universal Power Supply
Ambient Temperature:	-20°F to +145°F (-28°C to +62°C)
PROCAP II: Power	115/230 VAC 50/60 Hz, 2.2VA
Ambient Temperature:	-40°F to +158°F (-40°C to +70°C)
Output Relay:	DPDT 10 Amp at 250 VAC
Probe:	250°F Delrin (121°C)
Pressure:	200 psi
Sensitivity Setting:	Adjustable sensitivity to < 1 picofarad
Calibration:	"Quick Set" Coarse/fine single turn potentiometers
Fail-Safe:	Switch selectable high/low
Time Delay:	Dual delay covered/ uncovered up to 30 seconds
Enclosure:	Die cast aluminum, threaded cover, FDA recognized powder coat finish
Conduit Entry:	3/4" NPT
Mounting:	1" or 2" Sanitary 316 SS Fitting
PRO-Shield:	Compensates for material buildup on sensing probe
Approval Rating:	© listed for Class II, Groups E, F & G Hazardous Locations. Enclosure Type NEMA 4X, 5, 9 & 12. € € Mark.
Status Indicator:	Visual LED indicates sensor status: uncovered, covered, and power failure
Probe Options:	All Delrin sleeved style probes



### PROCAP I-FL & II-FL

#### PROCAP I: 24 to 240 VAC or VDC Universal Power Supply Power Ambient -20°F to +145°F Temperature: (-28°C to +62°C) PROCAP II: 115/230 VAC Power 50/60 Hz, 2.2VA Ambient -40°F to +158°F (-40°C to +70°C) Temperature: Output DPDT 10 Amp at 250 VAC Relay: Probe: 150°F Standard (65°C) 450°F High Temp (232°C) 250 psi, flush mount Pressure: Sensitivity Adjustable sensitivity Setting: to < 1 picofarad Calibration: "Quick Set" Coarse/fine single turn potentiometers Fail-Safe: Switch selectable high/low Time Delay: Dual delay covered/ uncovered up to 30 seconds Die cast aluminum, Enclosure: threaded cover, FDA recognized powder coat finish **Conduit Entry:** 3/4" NPT Mountina: Flush Mount Non-Invasive **PRO-Shield:** Compensates for material buildup on sensing probe Sisted for Class II, Groups E, F & G Approval Rating: Hazardous Locations. Enclosure Type NEMA 4X, 5, 9 & 12. Units also available in Class I Groups C & D. C C Mark. Visual LED indicates Status Indicator: sensor status: uncovered, covered, and power failure Probe Flush mounted probe;

standard or high temp

**Options:** 



### PRO REMOTE

120/240 VAC

50/60 Hz ±15%, 5VA

DPDT 10 Amp at 250 VAC

250°F Delrin/Bare (121°C)

500°F Teflon (260°C)

500 psi, 3/4" mount

Adjustable sensitivity

Coarse/fine single turn

to < 1 picofarad

potentiometers

Switch selectable high/low

Dual delay covered/

uncovered up to

Cast aluminum,

bolt-on cover FDA

1-1/4" NPT or 3/4"

Compensates for material

buildup on sensing probe

壁 🖩 Listed NEMA 4X, 5 &

Listed Class II, Group E, F, & G NEMA 4X, 5

12 Intrinsically Safe

NPT 316 SS

LED:

recognized finish

30 seconds

Plastic

"Quick Set"

-40°F to + 185°F

(-40°C to +85°C)

status contacts:

3 Amps 240 VAC

#### Power **Requirements:**

Ambient Temperature:

Output Relay:

Probe:

Pressure:

Sensitivity Setting:

Calibration:

Fail-Safe:

Time Delay:

Enclosure:

Enclosure **Electronics:** Mounting:

**PRO-Shield:** 

Approval

Ratings Probe:

**Electronics:** 

Status Indicator:

Probe Options: Internal LED indicates material in contact with probe Delrin, Teflon, food

and 12

grade, flush mount. flexible extension, stubby shielded, extended shielded. bare shielded, lagged



### COMPACT PRO

120 VAC, 230 VAC, Power **Requirements:** or 24VDC -40°F to 185°F Ambient **Temperature:** (-40°C to 85°C) **Output Relay:** SPDT 5 amp at 250 VAC -40 to 240°F Probe: (-40 to 116°C) Enclosure: NEMA 4X, dust tight, water resistant Sensitivity Adjustable sensitivity to Setting: < 1 picofarad Calibration: Multi-turn potentiometer Fail-Safe: Switch selectable, high/low Time Delay: Adjustable 1 to 30 seconds Enclosure: PVC CPVC Probe: Mounting: 1" NPS (1-1/4" NPS adapter available) Indicates material presence or absence





### **Standard Shielded Delrin/Teflon Sleeved Probe**

The standard Delrin/Teflon sleeved probe is the most versatile all-purpose probe. It works reliably in bulk solids, powders, slurries, and liquids. It has a rugged 5/8" diameter 316 SS probe featuring "PRO-Shield" protection against false readings because of coating or buildup.



Lengths Available: 10.63", 18", 24", 30", 36", 48", and custom order lengths **Fitting Options:** 3/4" NPT. 1-1/4" NPT. 1" food grade, 1"/2"/3"/4" 150# Raised face flanges

**Power Pac Options:** PROCAP I & II PROCAP IX & IIX **PRO Remote** PRO Auto-Cal

Applications: Point level detection and process control for solid, liquid and slurry materials. Used in bins, tanks, chutes, and spouts.



#### **Extended Shield Delrin/Teflon Sleeved Probe**

Designed with a 10" extended PRO-Shield, used when mounting the probe through a nozzle or standpipe. This probe has all the same features as the standard probe.

Maximum Temp:	Delrin sleeved 250°F (121°C) Teflon sleeved 500°F (260°C)	weigh This p the st
Maximum Pressure:	50 psi (3.5 kg/cm²) 1-1/4" NPT 500 psi (35 kg/cm²) 3/4" NPT	Maxii
Probe Material:	5/8" diameter 316 SS Delrin/Teflon sleeved	Maxir
Lengths Available:	15", 18", 24", 30", 36", 48", and custom order lengths	Probe
Fitting Options:	3/4" NPT, 1-1/4" NPT, 1" food grade, 1"/2"/3"/4" 150# Raised face flanges	Lengt Fittin
Power Pac Options:	PROCAP I & II PROCAP IX & IIX PRO Remote PRO Auto-Cal	Powe
Applications:	Point level detection and process control for solid, liquid and slurry materials. Used when mounting probe in a nozzle or standpipe. Also can be used when excessive sidewall buildup may occur.	Appli

### **Stubby Shielded** Delrin/Teflon **Sleeved Probe**

6.5"-

Designed with a 6.5" overall length while still providing the PRO-Shield protection. This probe is specially designed for low level applications where minimal projection is preferred due to restricted area or excessive weight that could damage a longer probe. probe has all the same features as tandard probe.

0)		
kg/cm²)	Maximum Temp:	Delrin sleeved 250°F (121°C) Teflon sleeved
kg/cm²)		500°F (260°C)
er 316 SS In sleeved	Maximum Pressure:	50 psi (3.5 kg/cm²) 1-1/4" NPT 500 psi (35 kg/cm²) 3/4" NPT
r", 30", Id custom Is	Probe Material:	5/8" diameter 316 SS Delrin/Teflon sleeved
-1/4" od grade,	Lengths Available:	6.5"
8 9.000, 150# e flanges & II X & IIX	Fitting Options:	3/4" NPT, 1-1/4" NPT, 1" food grade, 1"/2"/3"/4" 150# Raised face flanges
te Cal detection s control	Power Pac Options:	PROCAP I & II PROCAP IX & IIX PRO Remotes PRO Auto-Cal
uid and rials. mounting nozzle e. Also d when sidewall y occur.	Applications:	Low level where material load on probe may cause damage or when working in a restricted area or small vessel.



### Shielded **Delrin Sleeved** Sanitary/3-A Probe

Sanitary probe meets 3-A and USDA standards, conforming to the food industry's most demanding requirements for material, surfaces, and clean-in-place construction. This probe is designed for quick disconnect from the tank to facilitate ease of inspection and cleaning.

Maximum Temp:	250°F (121°C)
Maximum Pressure:	200 psi (14 kg/cm <sup>2</sup> )
Probe Material:	5/8" diameter 316 SS Delrin sleeved
Lengths Available:	4", 6.5", 10.63", 18", 24", 30", 36", 48", and custom order lengths
Fitting Options:	1" or 2" sanitary 316 SS fitting for use with tri-clamp
Power Pac Options:	PROCAP I 3-A & II 3-A
Applications:	Point level detection and process control for solid, liquid and slurry materials. Built specifically for dairy, pharmaceutical, and food grade appli- cations where 3-A/ USDA sanitary stan- dards apply. Used in bins, tanks, chutes, and spouts.



#### Flush Mounted **Shielded Probe**

No probe intrusion, designed for space constrained areas or applications where material flow or bridging may damage standard probes. The probe mounts flush on a vessel wall, conveyor housing or chute. A special bin wall adapter is available when working with thick walls or angled hoppers to move the face of the probe flush or slightly protruding the inside of the vessel wall, eliminating false signals due to excessive buildup on the probe surface.

Maximum Temp:	150°F (65°C) standard probe 450°F (232°C) High temp probe
Maximum Pressure:	250 psi (17 kg/cm²)
Standard Probe Material:	Polyethylene High Temp Teflon
Fitting Options:	5.75" hole mounted on 7.00" bolt circle 8.50" hole mounted on 9.50" bolt circle when using bin wall adapter
Power Pac Options:	PROCAP I & II PROCAP IX & IIX PRO Remote PRO Auto-Cal
Applications:	Detects presence of material or level of materials that may bend or break probes when material shifts. Works well in coal, aggregates, gravel, or other heavy and/or chunky materials.

### Bare Shielded **OEM Probe**

This is a bare shielded probe whose length can be modified in the field. It can be cut back to 7 inches or extended up to 8 feet. It has a rugged solid 5/8" diameter 316 SS probe featuring "PRO-Shield" protection against false readings because of coating or buildup.

Maximum Temp:	250°F (121°C)
Maximum Pressure:	50 psi (3.5 kg/cm²) 1-1/4" NPT 500 psi (35 kg/cm²) 3/4" NPT
Probe Material:	Standard probe 5/8" diameter 316 SS/Bare with Delrin insulator
Lengths Available:	7 inches to 8 feet
Fitting Options:	3/4" NPT, 1-1/4" NPT, 1" food grade, 1"/2"/3"/4" 150# Raised face flanges
Power Pac Options:	PROCAP I & II PRO Remote PRO Auto-Cal
Applications:	Point level detection and process control for powders and dry bulk solid material that may have a tendency to build up and coat the probe. Used in bins, tanks, chutes, and spouts.



### Shielded Teflon Sleeved 316 SS Hanging Flexible Cable Extension

The Teflon sleeved flexible cable extension was designed for high, mid, or low level when it is necessary to top mount. The flexible extension is also used in aggregates, coal or other lump materials that might damage a rigid probe or in materials that are not compatible with stainless steel. Maximum length of the cable and weighted probe end is 25 feet. The cable can be cut to length in the field.

Maximum Temp:	500°F (260°C)
Maximum Pressure:	50 psi (3.5 kg/cm²) 1-1/4" NPT 500 psi (35 kg/cm²) 3/4" NPT
Probe Material:	316 stainless steel 1/4" diameter cable with Teflon sleeve and insulator
Lengths Available:	16 inches to 25 feet
Fitting Options:	3/4" NPT, 1-1/4" NPT, 1" food grade, 1"/2"/3"/4" 150# Raised face flanges
Power Pac Options:	PROCAP I & II PROCAP IX & IIX PRO Remote PRO Auto-Cal
Applications:	Point level detection and process control for various solid, liquid and slurry applications when top-mounting. This Teflon sleeved probe should be used in applications where conductive material may leave residue on the probe (most liquids for instance). Note: Any conductive residue which builds up from the vessel wall to the active portion of any unsleeved bare probe will short out the two conductors.



### Shielded Bare 316 SS Hanging Flexible Extension

The flexible cable extension was designed for high, mid, or low level when it is necessary to top mount. The flexible extension is also used in aggregates, coal or other lump materials that might damage a rigid probe. This flexible cable extension probe features "PRO-Shield" protection against false readings because of coating or buildup. The shielded probe also allows you to mount the probe in a standoff pipe or nozzle. Maximum length of the cable and weighted probe end is 35 feet. The cable can be cut to length in the field.

250°F (121°C) Standard probe
50 psi (3.5 kg/cm <sup>2</sup> ) 1-1/4" NPT 500 psi (35 kg/cm <sup>2</sup> ) 3/4" NPT
316 stainless steel 1/4" diameter cable with Delrin insulator
16 inches to 35 feet
3/4" NPT, 1-1/4" NPT, 1" food grade, 1"/2"/3"/4" 150# Raised face flanges
PROCAP I & II PRO Remote PRO Auto-Cal
Point level detection and process control for various solid, liquid and slurry applications when top mounting.

### Unshielded Bare 316 SS Hanging Flexible Cable Extension

up to 35'

The flexible cable extension was designed for high, mid or low level detection when it is necessary to top mount. The flexible extension is also used in aggregates, coal or other lump materials that might damage a rigid probe. Maximum length of the cable and weighted probe end is 35 feet. The cable can be cut to length in the field.

jth of feet. d.	Maximum Temp:	250°F (121°C) Standard probe 500°F (260°C) High temp probe
e	Maximum Pressure:	50 psi (3.5 kg/cm²) 1-1/4" NPT
cm²)		500 psi (35 kg/cm²) 3/4" NPT
(cm²) steel cable	Probe Material:	Standard probe 316 stainless steel 1/4" diameter cable with Delrin insulator
ulator 5 feet ."		High temp probe 316 stainless steel 1/4" diameter cable with Teflon insulator
irade, #	Lengths Available:	16 inches to 35 feet
anges I	Fitting Options:	3/4" NPT, 1-1/4" NPT, 1" food grade, 1"/2"/3"/4" 150# Raised face flanges
ection ontrol d,	Power Pac Options:	PROCAP I & II PRO Remote PRO Auto-Cal
y ien	Applications:	Point level detection and process control for various solid, liquid and slurry applications when top mounting.





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