

# RF Admittance Point Level Switch 'RFA'



SINCE 1984

Consists of a Sensing Probe with Electronic switching unit Integral with the Probe. The Sensing Probe comprises of 3 elements viz. Sensing rod, SS Coatguard Shield and PTFE Insulation for Liquids / Ceramic insulation for Solids & Slurries. The combination of special electronics and coat guard technique provides immunity against material built-up on the Probe & Container Wall.

## Salient Features :

- High Reliability as coat guard technique ignores material built-up on the probe.
- Ease of calibration & installation
- Suits Highly Dusty Environment.
- Field selectable operation logic to configure either High or Low level switching.
- Economic Solution for critical applications.

## Technical Specifications :

### Sensing Probe :

Type	: Standard or Heavy
Std. Probe Length	: 350mm (Max 3000mm)
Sense rod	: SS304
Coat guard shield	: SS304
Grounding	: GI / SS304 (Optional)
Insulation	: a) PTFE (150°C) b) Ceramic (225°C)
Optg.Temp	: 150°C / 225°C with GI. temp stand off.
Mounting	: Top / Side
Process conn	: a) Screwed - 1 1/2" BSP (M) (std / Heavy Probe) b) Flanged- 1 1/2"NB, BS-10 T 'D' (std / Heavy Probe) c) Flanged- 4" ASA 150 x 10 thk (Disk probe)

### Integral Switching Unit :

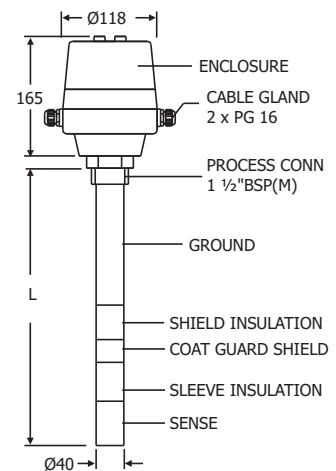
Enclosure	: Cast Al, Weather proof (powder ctd), Integral with Probe
Cable entry	: 2xPG 16 (Polymer)
Ambient Temp.	: 0°C to 60°C
Supply	: 230 or 110V AC, 50Hz (±15%) or 24VDC.
Power consumption	: 2VA
Output	: 2 Sets of potential free C/O contacts rated at 5Amps, 230V AC (resistive load)
Switching delay	: Continuously adjustable from 2 to 20 secs. probe free and covered.
Safety operation	: Field selectable switch over for min or max (FSL / FSH) switching.
LED Display	: Green - Normal; Red - Alarm; Yellow - Power On

## Application :

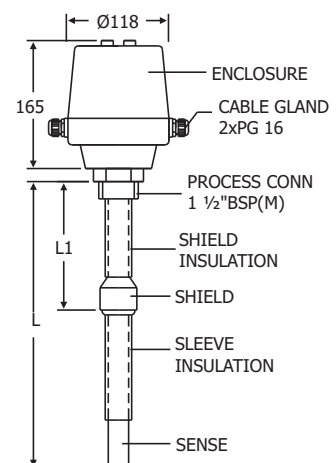
Cement, Sand, Lime, Soda Ash, Talcum powder, Milk / Chocolate powder, Coffee, Sugar, Salt, Resin Powder & Pellets, Fertilizer, Wheat, Flour, Rice, Barley, Butter, Iron Powder, Carbon Calcium, Slurry, Sludge, Sewage, Coal, Wax, Cream, Sodium, Carbonate, Ink, Alcohol, Beer, Waste Water, Syrup, Chromium Acid, Sesame.



### HEAVY PROBE WITH INTEGRAL SWITCHING UNIT



### STANDARD PROBE WITH INTEGRAL SWITCHING UNIT



**Model Identification : - 'RFA'**

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**System**

Integral (Standalone) \_\_\_\_\_ **I**  
 Two Part \_\_\_\_\_ **T**

**Type-Probe**

SS304 Rigid Standard \_\_\_\_\_ **1**  
 SS304 Rigid Heavy Duty \_\_\_\_\_ **2**  
 GI Flexible Standard \_\_\_\_\_ **3**  
 GI Flexible Heavy Duty \_\_\_\_\_ **4**  
 SS304 Flexible Standard \_\_\_\_\_ **5**  
 SS304 Flexible Heavy Duty \_\_\_\_\_ **6**  
 MS Plated Disc \_\_\_\_\_ **7**  
 Others \_\_\_\_\_ **0**

**Probe Encl x Control Unit Encl**

Cast Al WP IP66 (Syt I) \_\_\_\_\_ **1**  
 Cast Al WP IP66 x Cast Al WP IP66 (Syt T) \_\_\_\_\_ **2**  
 Cast Al Ex-Proof Gr. IIA-IIB x Cast Al WP IP66 (Syt T) \_\_\_\_\_ **3**  
 Others \_\_\_\_\_ **0**

**Process Connection**

SS304 Screwed 1 1/2" BSP (M) \_\_\_\_\_ **1**  
 SS304 Flanged 1 1/2" BS-10 T 'D' \_\_\_\_\_ **2**  
 Flanged- 4" ASA 150 x 10 thk (Disk probe) \_\_\_\_\_ **3**  
 Others \_\_\_\_\_ **0**

**Extended Grounding**

Without \_\_\_\_\_ **W**  
 GI \_\_\_\_\_ **G**  
 SS304 \_\_\_\_\_ **N**

**Optg. Temperature**

150°C \_\_\_\_\_ **R**  
 200°C \_\_\_\_\_ **T**  
 600°C (Two Part Syt & Rigid Heavy Duty Probe Only) \_\_\_\_\_ **H**

**Supply**

110VAC \_\_\_\_\_ **1**  
 230VAC \_\_\_\_\_ **2**  
 24VDC \_\_\_\_\_ **3**

All dimensions in mm, except specified.

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