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RF Admittance Level Switch



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PRODUCT INTRODUCTION

PRODUCT DESCRIPTION

RF Admittance level switch is appropriate for application in liquid and solid mediums. It is designed to reduce medium attaching to the probe. This product also offers SPDT output, high/low level failsafe, adjustable time delay, and sensitivity adjustment. Various models are available for high temperature, or limited space environments.

WORKING PRINCIPLE

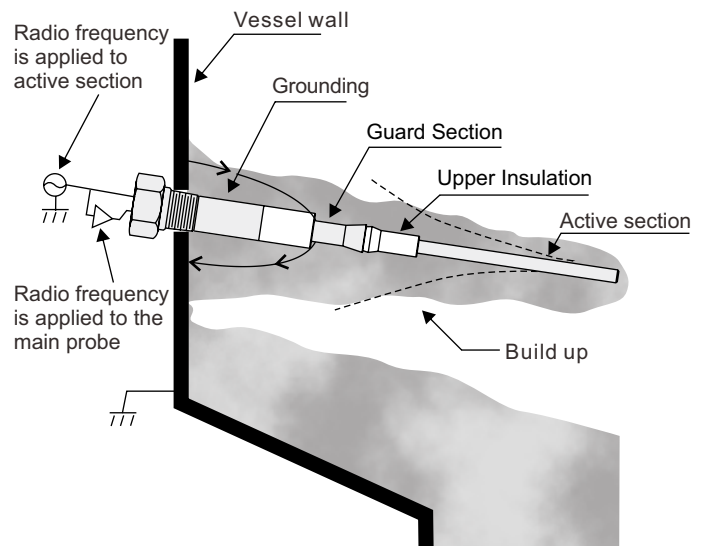
RF Admittance level switch consists of a guard section, upper insulation, main probe and grounding. The guard section is designed to overcome possible medium attachment and to secure signal accuracy. The special structure is suitable for detecting different mediums without being affected by attachments.

The upper main probe, guard, and grounding are all insulated. The level of the medium can be detected by the increasing of admittance when medium reaches the main probe.

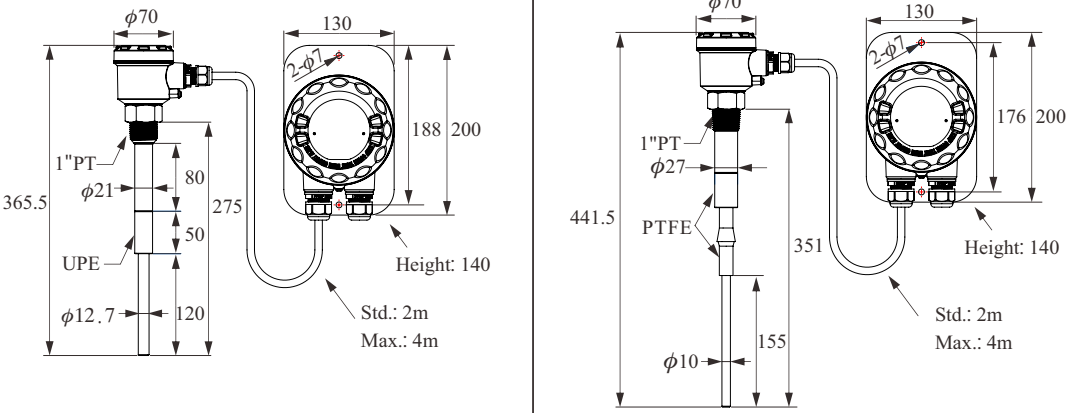
The grounding and the main probe are insulated, thus the device will still function accurately and not cause false alarms when the medium attaches the probe.

FEATURES

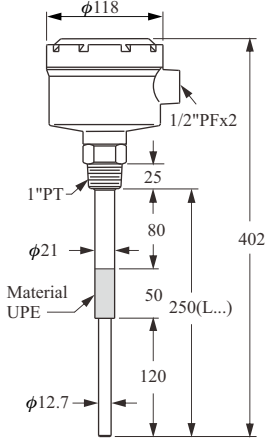
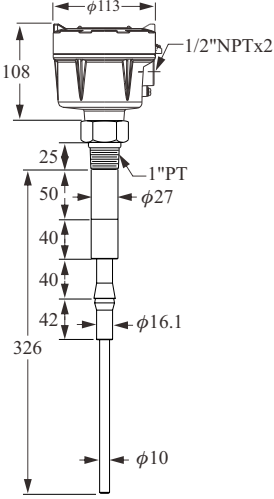
- Product will not wear out due to its simple and non-mechanical transmission structure.
- Suitable for solid, powder and liquid material.
- Continuous use, easy installation, suitable for many industries.
- Separated products, which can prevent electronic components from being easily damaged due to vibration. Therefore, suitable for places with vibration.
- Protection grade Ip65.
- No need for manual adjustment and welding.
- Non-adhesive and anti-adhesive probe types can be used.
- Switching output delay: maximum 30 seconds.



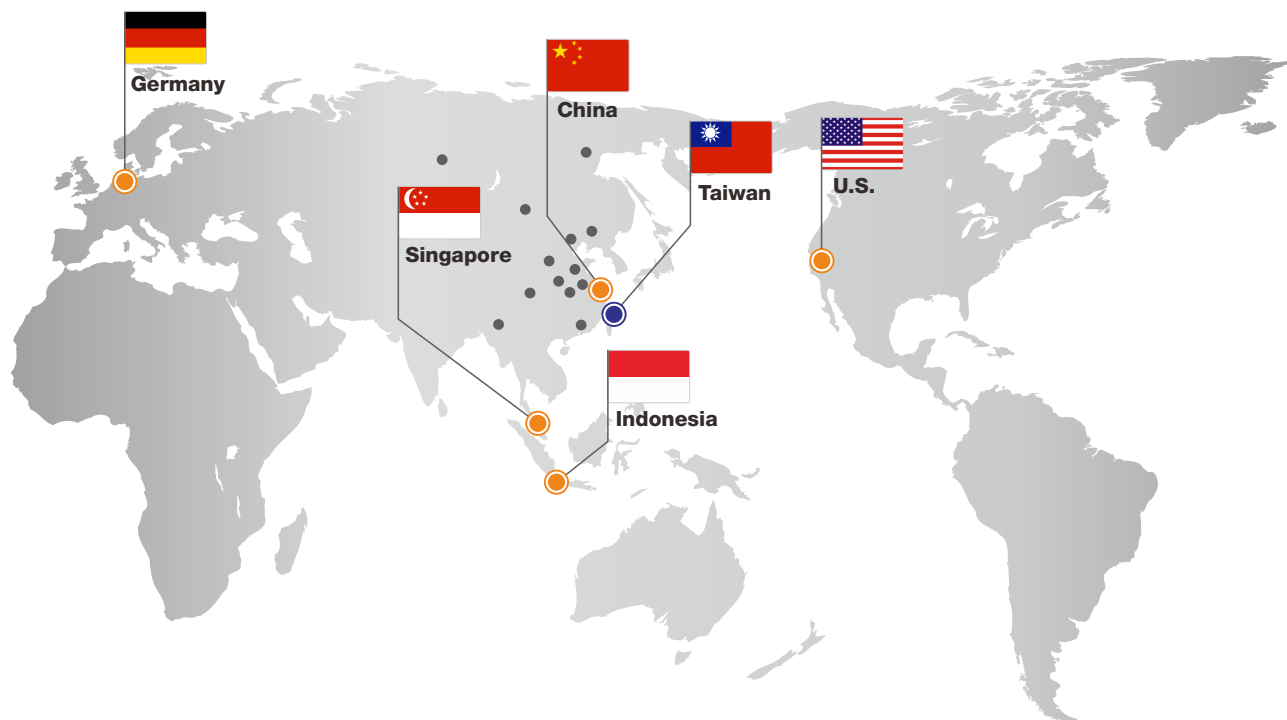
SPECIFICATIONS

Dimension (Unit:mm)		
Model	SBX204 [Remote type]	
	None	Anti-Viscosity
Operating temp.	-20°C~80°C	
Ambient temp.	-20°C~85°C	
Housing	Aluminum (IP65)	
Probe material	SUS304 / 316	
Insulated material	UPE(Optional)	
Connection	1" PT(SUS)(Option)	
Sensitivity	MAX:10pF	
Supply voltage	100~240 VAC 50/60Hz or 24VDC ±20%	
Power consumption	Max.2W	
Contact rating	Two SPDT 5A,250VAC	
	Two MOSFET 400 mA, 60 VAC/VDC	
Delay time	0.5~30 sec	
Fail safe mode	High / low Fail safe mode	
Cable entry	3/4" NPT x2 hole	
Operation pressure	Max. 20 bar	
IP protection	IP65	
Cable length	Max. 4M	

SPECIFICATIONS

Dimension (Unit:mm)		
Model	SBX200 [Standard type]	
	None	Anti-Viscosity
Operating temp.	-20°C~80°C	
Ambient temp.	-20°C~85°C	
Housing	Aluminum (IP65)	
Probe material	SUS304 /316	
Insulated material	UPE(Optional)	
Connection	1" PT(SUS)(Option)	
Sensitivity	MAX:10pF	
Supply voltage	100~240 VAC 50/60Hz or 24VDC ±20%	
Power consumption	Max.2W	
Contact rating	Two SPDT 5A, 250VAC	
	Two MOSFET 400 mA, 60 VAC/VDC	
Delay time	0.5~30 sec	
Fail safe mode	High / low Fail safe mode	
Cable entry	1/2" PF x2 hole	
Operation pressure	Max. 20 bar	
IP protection	IP65	

Global Network



■ Head Quarter

● Taiwan

FineTek Co., Ltd. - Taipei Head Quarter 
 No.16, Tzuchiang St., Tucheng Industrial Park
 New Taipei City 236, Taiwan
 TEL: 886-2-2269-6789
 FAX: 886-2-2268-6682
 EMAIL: info@fine-tek.com

■ North America

● California, U.S.

Aplus Finetek Sensor Inc. - US Office
 355 S. Lemon Ave, Suite D
 Walnut, CA 91789
 TEL: 1 909 598 2488
 FAX: 1 909 598 3188
 EMAIL: info@aplusfine.com

■ Europe

● Germany

FineTek GmbH - Germany Office
 Bei den Kämpen 26
 21220 Seevetal-Ramelsloh, Germany
 TEL: +49-(0)4185-8083-12
 FAX: +49-(0)4185-8083-80
 EMAIL: info@fine-tek.de

■ Asia

● China

Fine automation Co., Ltd. - Shanghai Factory 
 No.451 DuHui Rd, MinHang District, Shanghai,
 China 201109
 TEL: 86-21-6490-7260
 EMAIL: info.sh@fine-tek.com

● Singapore

FineTek Pte Ltd. - Singapore Office
 37 Kaki Bukit Place, Level 4 Singapore 416215
 TEL: 65-6452-6340
 EMAIL: info.sg@fine-tek.com

● Indonesia

PT. FineTek Automation Indonesia - Indonesia Office 
 PERGUDANGAN TUNAS BITUNG
 JL. Raya Serang KM. 13,8, Blok C3 No. 12&15, Bitung Cikupa,
 Tangerang 15710
 TEL: 62 (021)-2958-1688
 EMAIL: info.id@fine-tek.com

● Mütec Instruments GmbH - Germany Office

Bei den Kämpen 26
 21220 Seevetal-Ramelsloh, Germany
 TEL: +49-(0)4185-8083-0
 FAX: +49-(0)4185-8083-80
 EMAIL: muetec@muetec.de



Distributor: