BRAIME

ATSR1远程型料位计

BETTER BY DESIGN

ATSR1
Auto-Set
远程射频电容式料位计

ATEX 20, 21 & 22 区域防爆认证

ATSR1

ATEX 20区域防爆认证

产品描述

Auto-Set ATSR1 是一种射频型远程料位计，用于监测液体、粉状物料或其他自由流动的粒料，比如各类粉料、粮食、食糖、水泥等等。

Auto-Set ATSR1远程型料位计可以实现最远距离为100米的编程和监测。

Auto-Set ATSR1远程型料位计适应以下应用场景：

- 传感器探头不容易接近的场合
- 经常需要校准，比如同一喂料机输送不同物料时
- 料位计暴露在振动或冲击环境中
- 物料温度高达250ºC

控制单元ATSR1V0A 带有显示，使用按钮和开关进行简单编程

与标准型号一样，远程型带有隔离功能，能自动补偿堆积在探头或仓壁上的物料，以免误读误报。

产品特性说明

隔离护套，自动补偿探头上和仓壁上的物料堆积

- 探测深度可达10米，最多可有5个探头
- 四数位显示器显示工艺数据变量，便于调校。
- 通用电源 110/230 VAC
- 输出继电器
- 使用按键进行设置

计数器延时范围 0 ~ 128 秒

- 高/低位失效保护开关
- 用户可自主设定灵敏度
- 控制显示单元与变送头距离可达100米，采用双芯屏蔽电缆

如有需要，请向4B索取详细参数、接线图及安装运行说明。

请根据相关手册进行正确安装,相关信息可能会有变动或修正。2006年 6 月

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SPECIFICATION

	ATSR Overall Specification/Approval
ATSR1V0A Control Unit	Part of **Baseefa05ATEX0120X** Ex (II 1D)[Ex iaD 20] 2W 110/230V. For safe area installation only!
Protection:	IP44.
Enclosure:	Moulded.
Mounting:	Din Rail.
Voltage:	110/230V ac 50/60 Hz (+7½%-15%).
Rating:	2W.
Operating Temperature:	-15°C to +50°C.
Output:	S. P. C. O. Contacts rated at 2.5A 240V ac Non-inductive.
Time Delay:	0-127 seconds variable. Set via membrane keypad. Delay applies when material arrives and leaves the probe.
Max. distance between control unit and probe assembly:	100 metres in 2 core screened cable.
Probe Assembly Type (Typical)	
Temperature:	(**AREM120**) Polypropylene up to 120°C; (**AREM250**) Peek up to 250°C.
Protection:	IP65.
Material:	Polypropylene & Stainless stee (AREM120)l or Peek & Stainless steel (AREM250).
Earth Bonding:	Earth connection must be bonded adjacent to metalwork of container.
Probe Length:	100mm, 200mm, 1 metre, 2 metre or 10 metre wire rope. (Stainless steel).
Mounting:	1" BSP parallel male.
Transponder ILJBNODE1*	**Baseefa05ATEX0120X** 1W 27V Ex II 1D Ex tD A20 Ex iaD 20 T100°C. Tamb -15°C to +50°C
Protection:	IP65.
Operating Temperature:	-15 to +50°C
Power Supply:	Derived from ATSR1V0A
Cable Glands:	Cable glands supplied for connections to probe and ATSR1V0A
Connections:	Terminals provided for connection of two core screened cable to ATSR1V0A remote control unit. Max 100 metres. 0.5 metre high temperature screened cable prefitted for connection to probe (**must not be extended**).
Transponder ATSRNODE1	**Baseefa05ATEX0120X** 1W 27V Ex II 1D Ex tD A20 Ex iaD 20 T125°C. Tamb -20°C to +50°C
Protection:	IP65.
Operating Temperature:	-20 to +50°C
Power Supply:	Derived from ATSR1V0A
Cable Glands:	Cable glands supplied for connections to probe and ATSR1V0A
Connections:	Terminals provided for connection of two core screened cable to ATSR1V0A remote control unit. Max 100 metres. 0.5 metre high temperature screened cable prefitted for connection to probe (**must not be extended**).
Probe/Transponder ATSRH**	**Baseefa05ATEX0120X** 1W 27V Ex II 1D Ex tD A20 Ex iaD 20 T100°C. Tamb -20°C to +50°C
Protection:	IP65.
Operating Temperature:	-20°C to +50°C
Power Supply:	Derived from ATSR1V0A
Cable Glands:	2 x M20 threaded entries, one blank (drill out only). Use ATEX approved glands.
Connections:	Terminals provided for connection of two core screened cable to ATSR1V0A remote control unit. Max 100 metres.
Earth Bonding:	Earth connection must be bonded adjacent to metalwork of container.
Probe Length:	100mm, 200mm, 1 metre, 2 metre or 10 metre wire rope. (Stainless steel).
Mounting:	1" BSP parallel male.

* & ** = unit variations

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