

Smart Transmitter

Single/Dual Parameter Controller



The Advantage

- The low-power, high-performance transmitter for use in safe area applications
- Common universal design for pH, ORP, conductivity, Turbidity, and Chlorine sensors
- Plug-and-play sensors minimize stock holding and maximize operation uptime
- Security access prevents unauthorized modifications to transmitter configuration and calibration
- One-Button sensor calibration saves time and money spent on routine maintenance
- Intrinsically-safe, non-incendive design for hazardous area installation
- Available with SD card (Optional), storage up to 4 GB

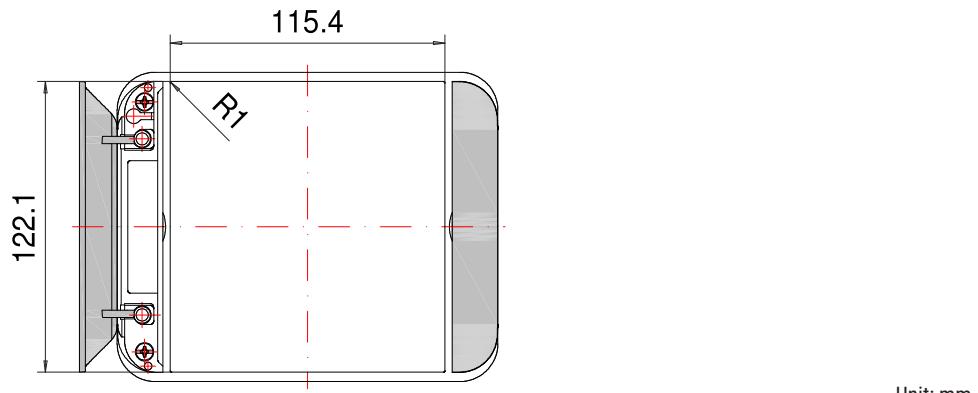
Introduction

Smart controller series transmitters are single and multi-channel devices for the measurement and control of pH, ORP, conductivity, Turbidity, and Chlorine in safe area applications across a broad range of industries including Chemical, Pharma, Pulp & paper, Mining, and Water treatment plants.

The unique design of the smart controller allows the same unit to be used with any of the available sensor and communication modules

The Smart controller delivers reliability and durability under the harshest of process conditions. The robust IP67 enclosure can be easily wall-, pipe- or panel-mounted. The hinged door with anti-tamper indication provides unrestricted access to the communication and sensor modules for simplified commissioning and maintenance.

Dimension



Industries Served



Oil & Gas



Textile



Food & Beverages



Petrochemical



Pharmaceutical



Power plants



Chemical



Pulp & Paper



Water Treatment

Available Sensors

Conductivity/Salinity	Turbidity	Low range turbidity
 SMART ABCS	 SMART ABTS	 SMART ABTR
Total/ Free Chlorine	pH/ ORP	
 SMART ABCL	 SMART ABpH/ ABRX	

Specifications

Possible parameters	Up to 4
Accuracy	±0.1%Full scale
Repeatability	±0.1%Full scale
Linearity	±0.05%Full scale
Response time	T90 < 1s
Power	DC: 24VDC (13 ~ 50VDC) AC: 110VAC/ 220VAC, 50Hz/ 60Hz
Power consumption	2 Watt
Display	LED Display
Storage	4 GB (Optional)
Temperature	0 ~ 60°C
Humidity	0 ~ 95 % RH
Inputs	RS485 Modbus
Analog Output	4-20mA
Digital output	RS485 MODBUS
Relay	5A@250VAC/ 5A@30VDC
IP Ratings	IP 67

Sales & Service Support

- Factory Acceptance Test (FAT)
- Site Acceptance Test (SAT)
- Site Commissioning
- After Sales Service backup
- Guaranteed spare parts availability for a maximum of 10 years of instrument life.

Ordering information

ABSC	Sensor Channels		
	0	1	2
	1 Channel		
	1	2 Channel	
	2	4 Channel	
	3	6 Channel	
	Power supply		
	0	110/230 V AC, 50 Hz	
	1	24 V DC	
	Output		
	0	4-20 mA	
	1	RS 485	
	Storage		
	0	NA	
	1	4 GB	
	Relay output		
	0	1 Relay	
	1	2 Relay	
	2	4 Relay	