

STEX™ Series

STEX25 TEMPERATURE TRANSMITTER



General Flyer Catalog
FLYR-STEX25-2201A (Jan-22)
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- ✓ Analog or Digital Signal Output
- ✓ Designed in Accordance to Hazardous Area
 - › Explosion Proof II 1G Ex d IIC T6 Ga
 - › Intrinsic Safety II 1G Ex ia IIC T6 Ga
- ✓ Power Supply 10.5~32 VDC (~42VDC in Safe Area)
- ✓ Accuracy : 0.1°C(RTD), 0.5°C(E J K N T), 1.0°C(B R S)
- ✓ Stability: 0.01°C(RTD), 0.1°C(E J K N T), 0.2°C(B R S)
- ✓ Galvanic Isolation
- ✓ Ambient Temperature Limits -30°C ~ +85°C
- ✓ Damping Time 0.1s ~ 32s
- ✓ Small and light weight (0.6 Kg Approximately)
- ✓ Approximate Dimensions ≈ 10×17×10 cm
- ✓ Barograph/Programmable LCD Display with BackLight
 - › Local Configuration with 3 Keys on Display
 - › Local Zero, Span, and Damping Adjustment
 - › All Standard and Customized Engineering Units
 - › Indication in P.V., mA, and %

Sensor Type	Measurements Range	Minimum Range	Accuracy
Thermocouples	T -200~400°C	25°C	±0.4°C
	E -200~1000°C	25°C	±0.4°C
	J -210~1200°C	25°C	±0.4°C
	K -200~1372°C	25°C	±0.4°C
	N -200~1300°C	25°C	±0.4°C
	R 0~1768°C	100°C	±0.8°C
	S 0~1768°C	100°C	±0.8°C
	B 150~1820°C	100°C	±1.0°C
mV input	-120~120mV	10mV	±10µV
	-1000~1000mV	50mV	±100µV
RTD	PT50 -200~850°C	10°C	±0.15°C
	PT100 -200~850°C	10°C	±0.15°C
	PT500 -200~850°C	10°C	±0.1°C
	PT1000 -200~850°C	10°C	±0.1°C
Ohm input	0~500 Ω	100Ω	±0.2 Ω
	0~4500 Ω	100Ω	±1.0 Ω



STEX25 is the latest model of **REGAMOUNT™** explosion-proof smart temperature transmitter, as one of the most reliable instrument for measuring the temperature of gas, vapor and liquid in process units. This is a Universal Input Transmitter and our valuable clients can use this device with wide types of selectable sensors.

STEX25 adopted with the latest international AD acquisition and processing technology to achieve high precision and high stability (PT100 stability 0.01°C). The true full isolation voltage between the sensor and the main circuit in is as high as 1000VDC. In addition, Built-in perfect anti-jamming and multi-level protection circuit of this model are the reasons to ensure high reliability on process plant and strategic sites.

The design of the casing enables the use of a local display, rotation of the display, and a choice of cable direction. This model designed for integrated temperature sensor directly under enclosure, or remote sensor with a bracket for install on wall or stand pipes.

STEX25 Default Configuration

(STEX25-□□□□)

Enclosure Material:	Aluminum	(options: SS316, NiAlBz)
Input Sensor Type:	Universal TC/RTD/mV/Ω	
Ingress Protection:	IP67	(options: IP65, IP68)
Electrical Conduits:	Two Entries M20×1.5	(option: ½" NPTF)

Ordering Codes for STEX25 Temperature Transmitters

(Example: STEX25-F2M/B4)

Output Signal	
-H	Analog 4~20 mA DC, with HART Comm.
-F	FOUNDATION FIELDBUS-H1, Digital Comm.
-P	PROFIBUS PA, Digital Comm.
Sensor input	
0	Single Universal Input without Integrated Sensor
1	Single Universal Input with Integrated Sensor (Order Codes in TTS95 Data-Sheets)
2	Double Universal Input without Integrated Sensor (Only for FIELDBUS)
Integral indicator	
N	Without LCD (Head-Mount Temperature Transmitter)
D	LCD Display with Local Setting Keys (Only HART and PROFIBUS)
M	LCD Display without Local Setting Keys (Only FIELDBUS)
Options	
/P5	IP65 (None Ex Model for Safe Area)
/P8	Water-Proof IP68
/A1	Lightning protector (Allowable current Max. 6000A)
/E1	Electrical Connection Conduits ½" NPTF (both Entries)
/E6	Enclosure Housing Material C8FM (SS316)
/E7	Enclosure Housing Material NiAlBz
/Q4	Certificate of Calibration (by 3rd party)
/Q5	Declaration of Material Test; Enclosure Housing
/B2	Mounting Bracket on 2" Pipe (Galvanized Steel)
/B4	Mounting Bracket on 2" Pipe (SS304)
/N4	Wired Tag № SS316 Plate

We reserve the right to change all of these data at any time without prior notice.

Notice:

When the selected order code for the sensor is "0", and because of achieving desired Ingress Protection degree IP65/IP67/IP68 and in accordance with Explosion Proof protection of enclosure, the suitable sealing must be prepared by user for assembling the sensor in its conduit.

