STEX™ Series

STEX15 TEMPERATURE TRANSMITTER

General Flyer Catalog
FLYR-STEX15-2107A (Jul-21)

Loop Powered | IP67 | 18 MONTHS GUARANTEE | 10 YEAR EXTENDED WARRANTY

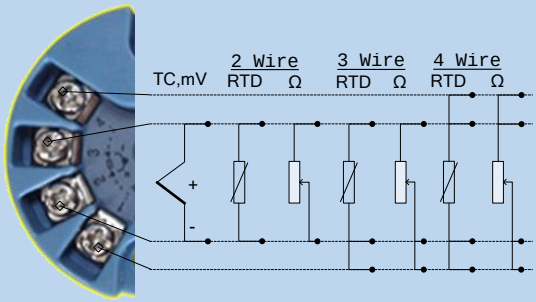
STEX15 is the latest model of **REGAMOUNT**™ Head-Mounted Temperature Transmitter, which mounted in an *Explosion-Proof* enclosure housing, as one of the most reliable smart instrument for measuring the temperature of gas, vapor and liquid in any process units. This is a Universal Input Transmitter and our valuable clients can use this device with wide types of selectable sensors.

STEX15 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.

HART COMMUNICATION PROTOCOL | PROFIBUS | Fieldbus Foundation

- ✓ 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 (~42$_{VDC}$ 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℃ ~ +85℃
- ✓ Damping Time 0.1$_s$ ~ 32$_s$
- ✓ Small and light weight (250$_g$ Approximately)
- ✓ Approximate Dimensions ≈ 7×7×10 cm



STEX15 Default Configuration (STEX15-☐0N)

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

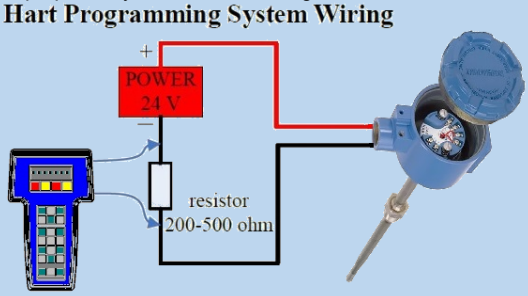
Ordering Codes for **STEX15** Temperature Transmitters (Example: STEX15-H0N/P5/B4)

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)
Integral indicator		
N		Without LCD (Head-Mount Temperature Transmitter)
Options		
/P5		IP65 (None Ex Model for Safe Area)
/P8		Water-Proof IP68
/E1		Electrical Connection Conduit ½" NPTF
/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

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.

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

Hart Programming System Wiring



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

Kimia Farayand REGA (Private Stock Company)
National Registration ID № 14004665155
Tel/Fax: +98-21-88830111, +98-21-86072091
Email: sales.tehran@regamount.ir , sales.iraq@regamount.com
No. 6, Unit 11, Shahrokh Alley, Haft Tir Sq., Tehran 1574843937, IRAN

REGAMOUNT™