STEX™ Series

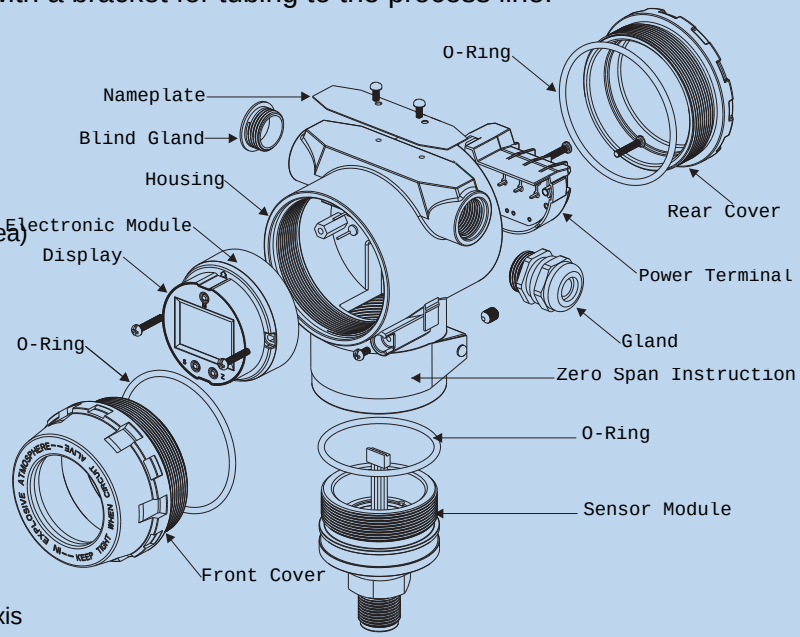
STEX11 GAUGE PRESSURE TRANSMITTER

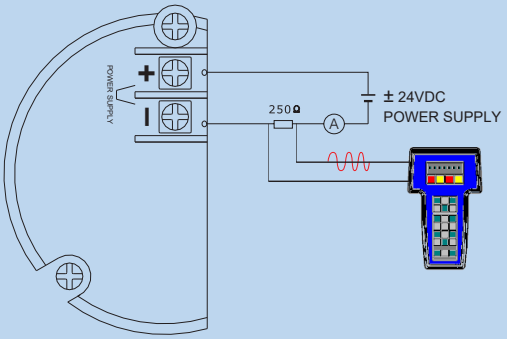
General Flyer Catalog
FLYR -STEX11-2107H (Jul-21)

STEX11 is the latest model of explosion proof smart gauge pressure transmitter, which are producing by **REGAMOUNT™** as one of the most reliable instrument for measuring the gauge pressure of gas, vapor and liquid in process units. The active sensing element is a Pressure Sensor separated from the medium by a diaphragm (by default SS316L) and by a specially selected type of barometric liquid, Silicone Oil by default. Clients can select the housing enclosure as Aluminum Alloy, SS316 or NiAlBz, and degree of protection IP67. All fasteners, nuts, bolts, and spacers are SS316, SS304, and Copper Alloys. By default, the process connection is ½ NPTM and its material is SS316. 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 direct In-Line installation or sets up with a bracket for tubing to the process line.

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)
- ✓ Max. Span 1 ~ 1,000 psig
- ✓ Accuracy 0.1$_{\%FS}$ (0.05$_{\%FS}$ on Request)
- ✓ RangeDown Ratio up to 10$_{\%FS}$
- ✓ Working Temperature Limits -40°C ~ +125°C
- ✓ Ambient Temperature Limits -30°C ~ +85°C
- ✓ Damping Time 0.1$_{s}$ ~ 32$_{s}$
- ✓ Response Time ≈ 100$_{ms}$
- ✓ Two M20×1.5 Conduits for Electrical Glands
- ✓ Small and light weight (1.4$_{Kg}$ Approximately)
- ✓ Approximate Dimensions ≈ 14×17×10 cm
- ✓ Stability ±0.05$_{\%URL}$ in a Years
- ✓ Vibration Effect ±0.1$_{\%URL}$ per "g" to 200$_{Hz}$ in All Axis
- ✓ Barograph/Programmable LCD Display with Backlight
  - › Local Configuration with 3 Keys on Display (Only HART)
  - › Local Zero, Span, and Damping Adjustment (Only HART)
  - › All Standard and Customized Engineering Units
  - › Indication in P.V., mA, and %





STEX11 Ordering Codes

Output Signal								
-H		Analog 4~20 mA DC, with HART Comm.						
-F		FOUNDATION Fieldbus, Digital Comm.						
-P		PROFIBUS PA, Digital Comm.						
Sensor Max. Operating Span								
0		75 mBar	3		6.9 Bar	6		207 Bar
1		374 mBar	4		20 Bar	7		414 Bar
2		1.87 Bar	5		69 Bar	8		686 Bar

Sensor's Measuring Span Ranges

Code	Setting Ranges
0	0~20 mBar to 0~75 mBar
1	0~100 mBar to 0~374 mBar
2	0~0.2 Bar to 0~1.87 Bar
3	0~0.6 Bar to 0~6.9 Bar
4	0~2 Bar to 0~20 Bar
5	0~6.9 Bar to 0~69 Bar

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Options 1		
/ M2		*Hastelloy-C* as Material of Process Connection
/ S2		*Hastelloy-C* as Material of Sensor Diaphragm
/ S3		*Tantalum* as Material of Sensor Diaphragm
/ S4		*Ceramic* Sensor
/ Q1		Declaration of Material Test; Sensor Diaphragm
/ Q2		Declaration of Hydrostatic Test (≥110%URL)
/ Q3		Declaration of Material Test; Process Connection
/ Q4		Certificate of Calibration (by 3rd party)
/ Q5		Declaration of Material Test; Enclosure Housing
/ P5		IP65 (None Ex Model for Safe Area)
/ P8		Water-Proof IP68
/ A5		High Accuracy Sensor, 0.05% Full Scale

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Options 2		
/ E1		Electrical Connection Conduits Size ½" NPTF
/ E6		Enclosure Housing Material *C8FM* (SS316)
/ E7		Enclosure Housing Material *NiAlBz*
/ B2		Mounting Bracket on 2" Pipe (Galvanized Steel)
/ B4		Mounting Bracket on 2" Pipe (SS304)
/ C6		½ NPTM to ½ NPTF Adaptor (Process Connection)
/ C7		½ NPTM to G ½ Male Adaptor (Process Connection)
/ C8		½ NPTM to M20*1.5 Male Adaptor (Process Connection)
/ V2		2-Way SS316 Isolating Manifold Valve (½" NPT)
/ N4		Wired Tag № SS316 Plate

(Example: STEX11-F5/Q4/B4/V2/N4)

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™