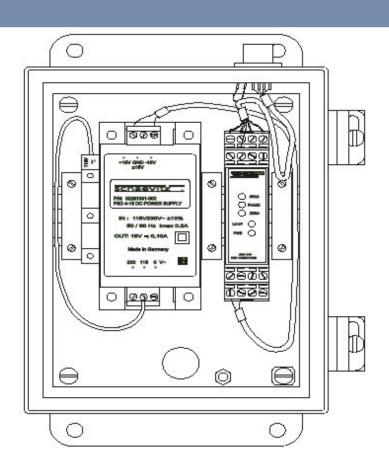
SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MALLesz IEM 422 (Process Control & Power Gen)

The IEM 422 is a line-powered LVDT / **RVDT** compatible current transmitter designed for industrial process control applications. The IEM-422 consists of a DIN rail mount power supply and LVDT signal conditioner module pre-configured to supply a 4 to 20 mA output from a 115 or 230 volt AC supply. The IEM 422 supplies an ac sine wave excitation to the LVDT and then demodulates and amplifies the LVDT output. A full-wave synchronous demodulator eliminates quadrature and harmonics to maximize external noise rejection.

The IEM 422 is housed in a rugged NEMA 13 enclosure to protect it from dirt, dust. water and other contaminants commonly found in industrial environments. Power. input and signal output connections are made easy by using the conduit ports to make the appropriate connections. LVDT hookup is completed by mating to the boxmounted, sealed M/S-style bayonet connector.



FEATURES

- 4-20 mA Position Signal
- Compatible with All Schaevitz LVDT's & RVDT's
- NEMA-13 Rated Enclosure
- 115 / 230 Volt ac Line Operation
- Power & Loop Status LED's
- Adjustable Zero, Phase and Span

APPLICATIONS

- Steam Turbine Throttle Valve Position
- Pulp Paper Industry
- Petrochemical Process Control
- Roller Gap Process Control

PERFORMANCE SPECIFICATIONS

Power Requirement 115 V-ac / 240 V-ac

3-Vrms (0.5-Volt switch selectable) **Transducer Excitation**

LVDT Drive Current 25 mA (maximum)

LVDT Input Impedance 125 Ohms (minimum @ 3-Vrms)

Excitation Frequency 2.5 kHz (5.0, or 10.0 kHz switch selectable)

Full Span Output Signal 4 to 20 mA

Zero Output 12 mA

Zero Adjustment Total Range +/- 30% (FRO)

Frequency Response 3-dB down @ 250-Hz (1-kHz switch

selectable)

Nonlinearity ≤ 0.02% of FS

Temperature Coefficient \leq +/- 0.05% per degree F (fso)

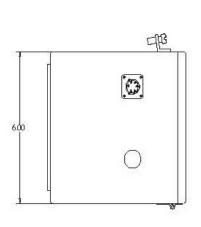
Operating Temperature Range -25 to 70C

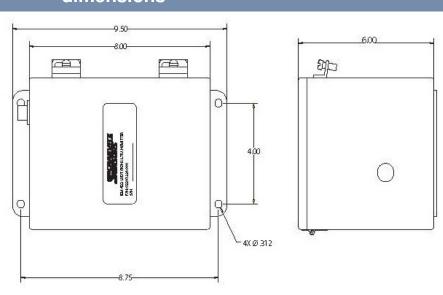
Dimensions (L x W x H) 3.86 x 2.48 x 1.38 (inches)

IEM 422 Rev 1 09/26/2008 www.meas-spec.com

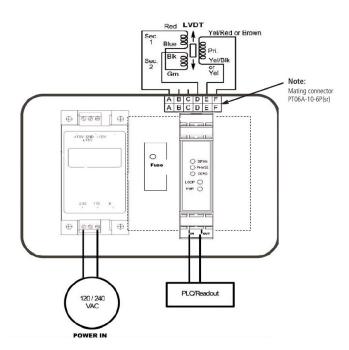


dimensions





wiring



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