



IEM-422

Line Powered Industrial LVDT/RVDT Current Transmitter

SPECIFICATIONS

- ◆ 115/230VAC line powered
- ◆ NEMA-13 rated enclosure
- ◆ 4 to 20mA output
- ◆ Zero, span and phase adjustable
- ◆ 2.5, 5 and 10kHz excitation frequencies
- ◆ Low noise, 3-pole Butterworth filter
- ◆ Master/slave capability
- ◆ Compatible with 4, 5 & 6 wire LVDTs/RVDTs
- ◆ Power and loop status LED's

FEATURES

- ◆ Rugged NEMA-13 rated enclosure
- ◆ Conduit ports for easy connection
- ◆ Pre-configured 4-20mA output signal
- ◆ Bolt holes for easy mounting
- ◆ Multiple LVDT master/slave capability

APPLICATIONS

- ◆ Steam turbine control systems
- ◆ Process control systems
- ◆ Pulp/paper industry
- ◆ Petrochemical process control
- ◆ Roller gap position

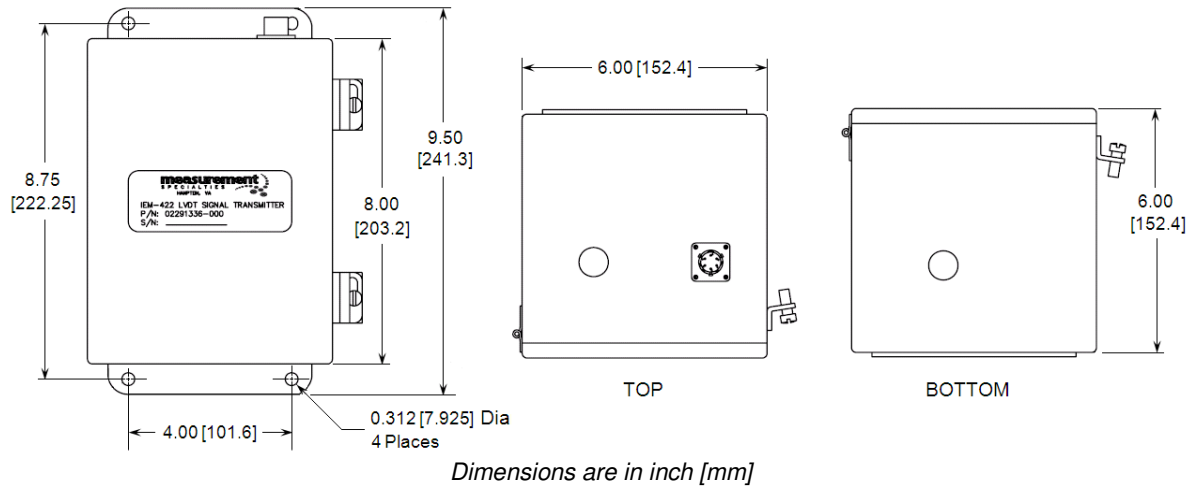
The **IEM-422** is a line-powered current transmitter, designed for industrial process control applications. The IEM-422 consists of a power supply (PSD 40-15) and an LVDT/RVDT signal conditioner (LDM-1000), pre-configured to supply a 4 to 20 mA output from a 115 or 230 volt AC supply. The IEM-422 supplies an AC sine wave excitation to the LVDT or RVDT and then demodulates and amplifies its 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 conduit ports to make the appropriate connections. LVDT hookup is completed by mating to the box-mounted, sealed M/S-style bayonet connector. The internal signal conditioner is also capable of providing several different DC output voltage signals to accommodate varying PLC and analog I/O requirements. The frequency response is internally selectable, as is the master/slave function which allows synchronization of multiple IEM-422 transmitters to prevent beat frequencies and cross talk between transducers.

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DIMENSIONS



ORDERING INFORMATION

Description	Part Number
IEM-422 Current Transmitter	02291336-000
Mating connector for LVDT/RVDT, Amphenol/Bendix PT06A-10-6P(SR)	62101056-000
Cable to connect HCA/HCI/GCA/R36AS to IEM-422, PTO6A-10-6S to PTO6A-10-6P (1)	04290133-000
Cable to connect MP Series LVDT to IEM-422, Stripped & Tinned to PTO6A-10-6P (1)	04290594-000

(1) All cables are shielded, 10 foot long, and rated 80°C [176°F] operating. Consult factory for other lengths.

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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