

Model MS2600E

High Resolution ER Transmitter 4-20 mA Analog Output

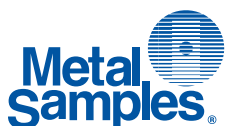
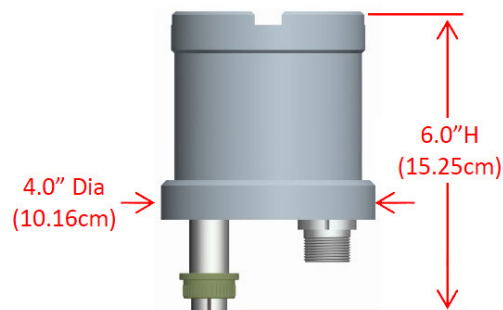
Metal Samples new compact MS2600E ER Transmitter (ERT) measures all types of electrical resistance (ER) corrosion probes. The new high-resolution, 16-bit measurement provides faster response, obtaining corrosion rates in hours instead of days. The transmitter can be remote or direct-mounted (shown).

The transmitter is available in a weather-proof (IP66) stainless steel enclosure designed for applications which do not permit aluminum enclosures (such as offshore environments or Zone 0 hazardous areas).



*MS2600E direct mounted
to a retrievable probe*

The MS2600E is completely loop-powered, so installation is simple. A two-wire connection is all that is required for both instrument power and data transmission. Setup is also simple, using a set of switches to select the probe type to be measured.



Metal Samples Company

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Technical Specifications

Model

MS2600E - High Resolution ER 4-20mA Transmitter

Physical Data

Instrument Weight:	3.70 lb. (1.68 Kg)
Total Weight w/ Accessories:	5.76 lb. (2.61 Kg)
Instrument Dimensions:	6.0"H x 4.0"Dia (15.25cm H x 10.16cm Dia)
Operating Temperature:	-40° to 158°F (-40° to 70°C)
Storage Temperature:	-40° to 176°F (-40° to 80°C)
Enclosure Material:	316 Stainless Steel
Enclosure Rating:	IP66
Mounting Specifications:	Direct probe mount (standard) May be pole mounted using optional hardware (Up to a 2.5" (6.35cm) Dia. pole)

Performance Data

Measurement Type:	ER measurement using any standard ER probe type (Wire Loop, Tube Loop, Cylindrical, Flush, Strip, etc.)
Range:	0-100% of probe life
Resolution:	0.0015% of Probe Life (16-bit)
Cycle Time:	1 Minute

Electrical Data

Power Requirements:	11 to 28 VDC
Maximum Probe Cable Distance:	30 ft (9.1 m)
Output Specifications:	4-20mA Current Loop Output

Hazardous Location Certifications

Europe and Worldwide (ATEX and IECEx)	II 1 G Ex ia IIC T4 Ga - 40°C ≤ Tamb ≤ + 70°C Ex ia IIC T4 Ga - 40°C ≤ Tamb ≤ + 70°C ATEX Certificate No: ITS14ATEX27981X IECEx Certificate No: IECEx ITS 14.0010X
USA and Canada (ETL)	Ex ia IIC T4 Ga Class I, Division 1, Groups A, B, C & D, T4 Class I, Zone0, AEx ia IIC T4 Ga -40° C ≤ Ta ≤ +70° C

Included Accessories

33' (10 meters) Current Loop Wiring Harness, Meter Prover, Operations Manual

Optional Accessories

Probe Extension Cable, Remote Mounting Hardware