Metal Samples

Corrosion Monitoring Systems

MS2510 Receiver

The MS2510 receiver is designed to be used with MS2500 transmitters to provide a single channel stand-alone system. The MS2500 transmitter is mounted close to a corrosion monitoring probe. Only a single twisted pair cable is required to connect the transmitter to the MS2510 receiver.

The color touch screen of the MS2510 receiver provides a local display of the corrosion monitoring data received from the transmitter. The transmitter/receiver system is especially useful where a process monitoring computer is not readily accessible. Transmitter-to-receiver distances up to 10,000 feet with safety barriers are possible.

The MS2510 receiver is powered by 100-240 VAC and provides the 24 VDC supply for powering the MS2500 transmitter's 4-20 mA loop. The receiver processes the 4-20 mA signal to provide a digital readout of the cumulative metal loss and the probe corrosion rate based on the monitoring period set by the user (48 hours, 7 days, 15 days or 30 days).

The MS2510 also offers an integrated web server. This feature allows users to access the MS2510 from any PC on the network using a standard web browser. Through this interface users can view data and make setup changes to the MS2510.

Supplied by:

ANODE ENGINEERING

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Technical Specifications

Receiver & Transmitter System

Input:	One probe
Maximum transmitter to receiver distance:	10,000 feet
Output:	Color touch screen; Metal loss (mils) or Corrosion Rate (mpy)
Resolution:	+/- 0.1 mpy or 0.01 mil
Mounting:	Panel or Rack Mount

POWER SUPPLY

Voltage:	100 - 240 V AC, 1 phase, 50/60 Hz
Current:	< 2 Amps

SIGNAL

Input:	4 - 20 mA current loop
Voltage:	24V DC
Input Impedance:	250 Ohms

MS2510 Receiver

Operating Temp:	32° to 122° F (0° to +50° C)
Weight:	4 lbs. (1.9 kg)
Size:	8.25” x 10” x 6” (20.95 cm x 25.40 cm x 15.24 cm)
Panel cutout:	8.25” x 10” (20.95 cm x 25.40 cm)

NETWORK

Use a Crossover cable to connect the instrument directly to a PC.
Use a Straight cable to connect the instrument to a network switch or router.

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