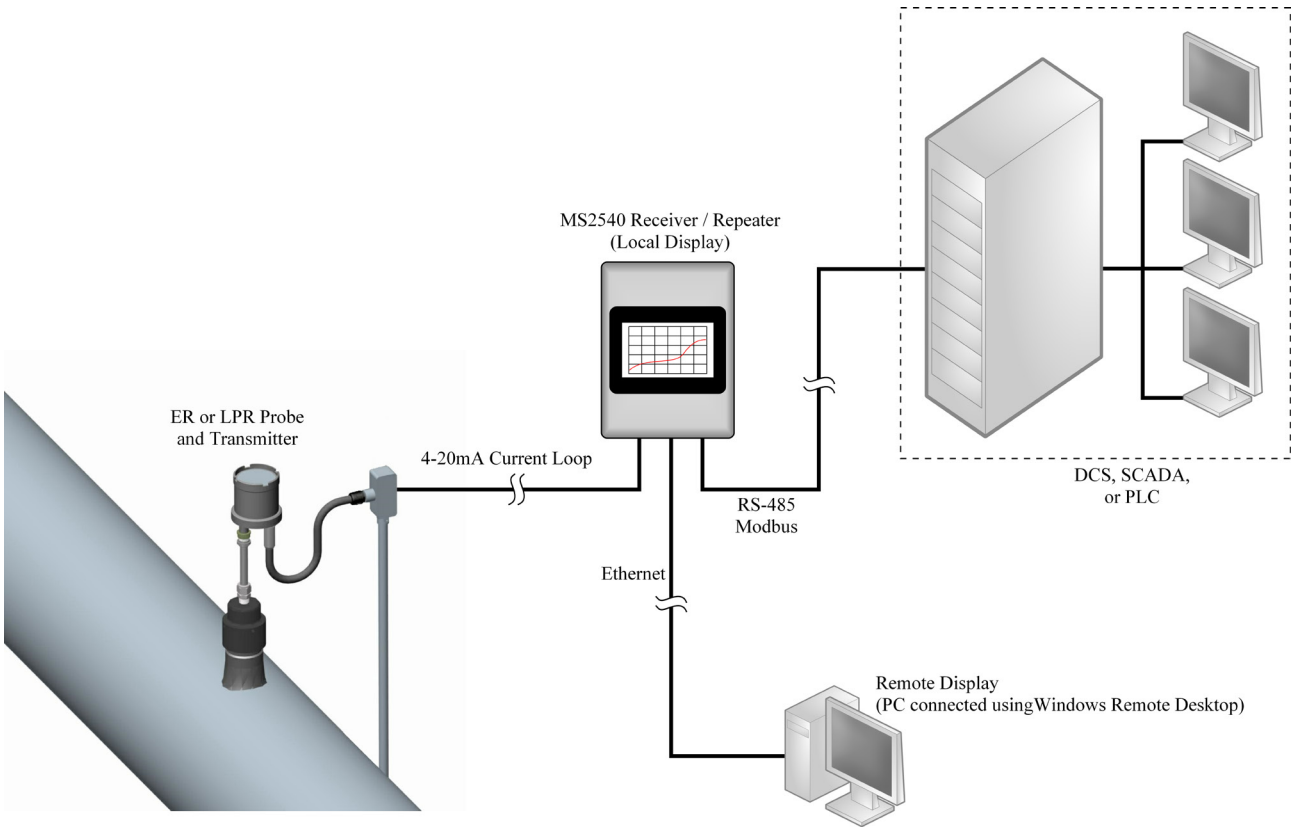
Model MS2540

Receiver / Repeater

The MS2540 Receiver is designed to be used with ER and LPR current loop transmitters to provide a single-channel corrosion monitoring system. The MS2540 provides a local display of the probe and transmitter data. Additionally the MS2540 can repeat the information to a plant control room via RS-485 Modbus.

The MS2540 utilizes a color touch screen to display information and present user controls. The unit is powered by 100-240 VAC, and provides the 24 VDC supply for powering the 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 MS2540 also offers an integrated web server. This feature allows users to access the MS2540 from any PC on the network using a standard web browser. Through this interface users can view data and make setup changes to the MS2540.



Technical Specifications

Model
MS2540 Receiver / Repeater

Input

Inputs:	4-20mA current loop from one ER or LPR corrosion transmitter
Current Loop Source Voltage:	24 VDC
Input Impedance:	250 ohms
Maximum Current Loop Distance:	10,000 feet (3,048 meters)

Output

Outputs:	RS-485 Modbus, Ethernet

Display

Type:	Color touch screen
Displayed Values:	Metal Loss (mils or mm) or Corrosion Rate (mpy or mm/y)
Resolution:	+/- 0.1 mpy or 0.01 mil

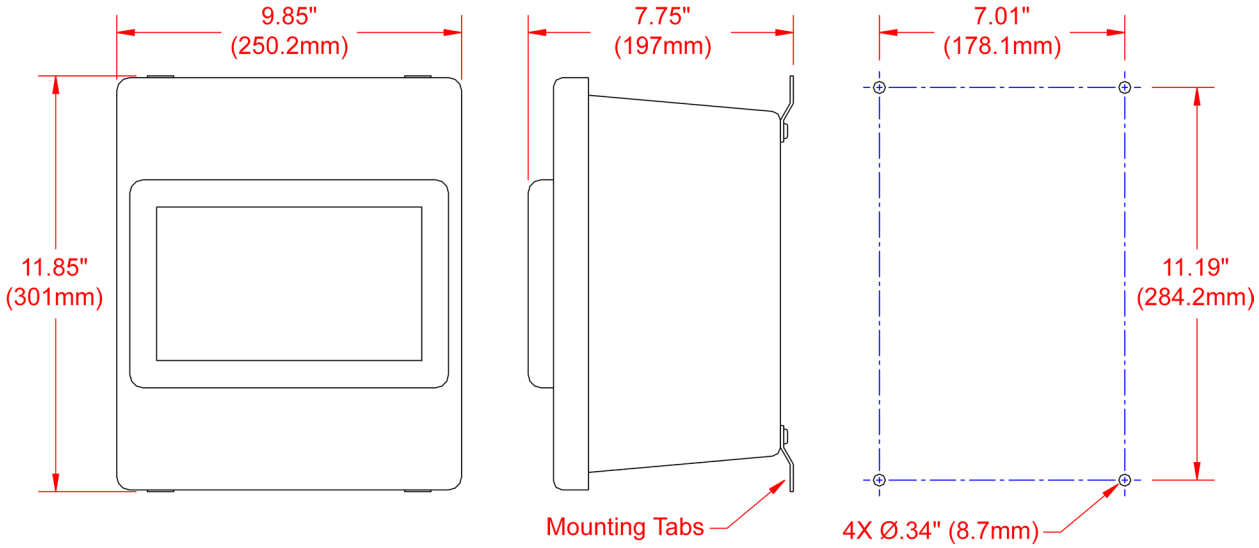
Power Supply

Supply Voltage:	100 to 240 VAC, 1 phase, 50/60 Hz
Current:	< 2 Amps

Physical Data

Operating Temperature:	32° to 122° F (0° to +50° C)
Weight:	4 lbs. (1.9 kg)
Mounting Type:	Panel mount

Dimensions:



Physical Dimensions **Mounting Dimensions**

Included Accessory Items
Power cord, mounting tabs

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