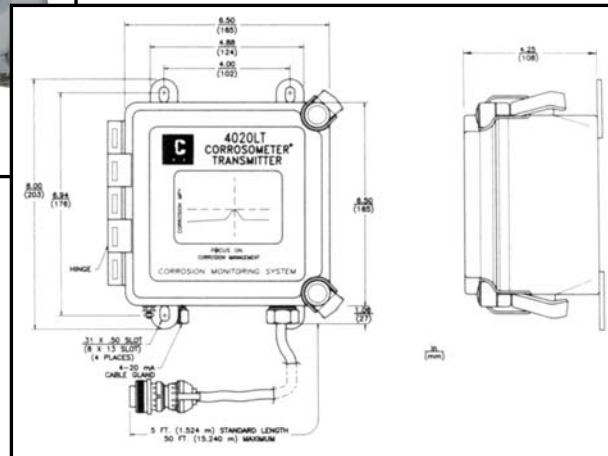


# Model 4020LT CORROSOMETER® Transmitter



## Features:

- **2-Wire Transmitter**
- **Intrinsically Safe**
- **Compatible with all CORROSOMETER® Probes**
- **CE Compliant**
- **ATEX Compliant**

The Model 4020LT is a two-wire transmitter for use with CORROSOMETER probes. This version has been developed to meet the new stringent European specifications for CE and ATEX.

The transmitter is well suited to plant locations with widely separated monitoring points for connection into a distributed control (DCS) system. The DCS system should however have the ability to graph the data against time, and be able to compute corrosion rate from metal loss from supplied algorithms. If a remote readout display is required for metal loss and rate, this is also available.

The two-wire transmitter is supplied in a NEMA 4X enclosure, complete with a 5 foot probe cable. A 24VDC supply is typically required to power the loop via an approved intrinsic safety barrier. The unit provides isolation between the probe and 4-20mA circuits.

The system is intrinsically safe to USA, Canadian and Europe and standard.

## Specifications:

- **Output:** 4-20 mA
- **Ambient Temperature Range:** -18°C to+ 60°C  
(0°F to +140°F)
- **Supply Voltage Range:** 14-32 VDCat 20mA
- **Resolution:** ±0.4%
- **Weight:** 5 lbs (2.3 Kg)
- **Enclosures:** NEMA 4X, IP66
- **Probe Cable:** 5 ft (50 ft MAX)
- **Hazardous Area Certifications:** UL/ULc Class 1, Div. 1, Groups A,B,C,D, T4 for USA and Canada  
DEMKO Approved for Europe  
EEx ia IIC T4 – ATEX 94/9/EC \*  
\*Requires the use of Safety barrier P/N 095776-5344 if *probe* or transmitter is in Class 1 Division 1 area or Zone 0 or Zone 1.  
Protection type “nC” permits the use of the transmitter without the safety barrier provided *probe* and *transmitter* are in class 1 Division 2, or Zone 2 area.
  
- **Compatibility:** All CORROSOMETER® Probes  
(Excludes CORROTEMP® CORROSOMETER® Probes)
- **Display:** May be used with Model 4021L receiver
  
- **CE:** Complies with all applicable EU Product Directives: EMC Directive 89/336/EEC
- **ATEX:** Complies with all applicable EU Product Directives: ATEX Directive 94/9/EC

## Ordering Information:

Model	Description		
4020LT	Corrosometer® Transmitter		
	<b>Code</b>	<b>Probe Element</b>	
	W	Wire Loop	
	TS	Tube/Strip Loop/Flush	
	SP	Cylindrical	
	<b>Code</b>	<b>Probe Connector</b>	
	A	Inserts: 2000, 3000, 3705	
	B	Fixed & ADJ: 1052, 2500, 2520, 2600, 2610, 2620, 3500, 3600, 4000 SERIES	
	S	Retractable: 3700	
	<b>Code</b>	<b>Cable Type</b>	
	0	Standard	
	1	Flexible Conduit	
<b>4020LT</b>	<b>W</b>	<b>B</b>	<b>0</b>
			<b>Example</b>



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