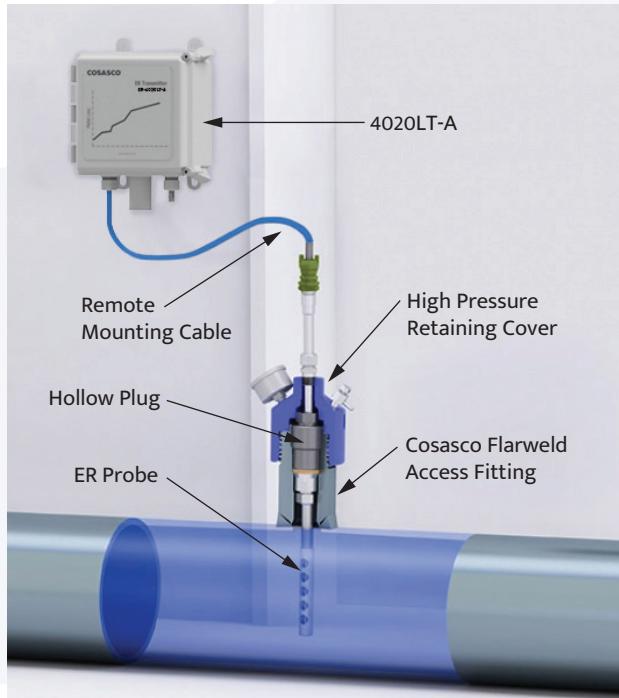


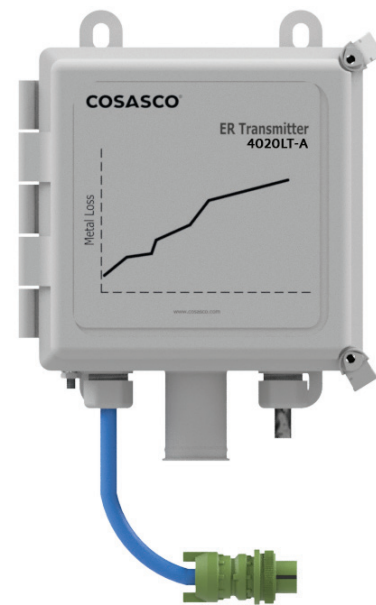
## ER Two-Wire Transmitter

4020LT-A



Typical 4020LT-A Transmitter System

- 2-Wire Transmitter
- Resolution  $\pm 0.1\%$  for rapid response
- Intrinsically Safe
- Compatible with all Cosasco ER Probes
- CE/ATEX/IECEx compliant
- Available stainless steel enclosure
- Switchable Probe Selector



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

This transmitter is well suited for plant locations, widely separated monitoring points, and connection into a distributed control system (DCS).

The transmitter has a NEMA 4X enclosure with the option of up to a 100 foot probe cable. A 24 Vdc supply is typically required to power the loop via an approved intrinsic safety barrier. The unit provides isolation between the probe and 4-20 mA circuits.

The system is intrinsically safe to USA, Canadian, and European standards.

### Specifications

<b>Output</b>	4-20mA
<b>Ambient Temperature Range</b>	-40°C to +70°C (-40°F to +158°F)
<b>Supply Voltage Range</b>	10-30 VDC at 20mA
<b>Resolution</b>	±0.1%
<b>Weight</b>	4 lbs. (1.8 kg)
<b>Enclosures</b>	Fiberglass Polyester NEMA 4X, IP66 or Stainless Steel (316L), IP66
<b>Probe Cable</b>	100 ft. maximum

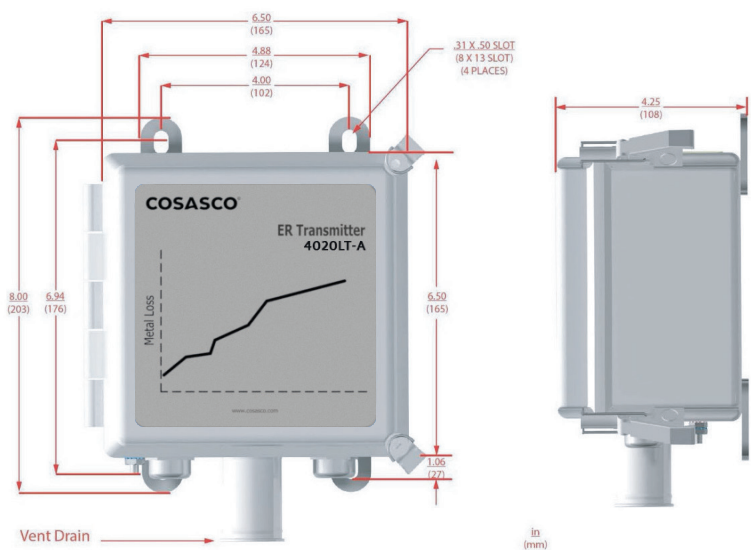
### Hazardous Certifications: Zone 1\* (with safety barrier) / Zone 2 (without safety barrier)

<b>ATEX Certification</b>	SIRA	Ex ib IIC T4 Gb, T <sub>amb</sub> = -40°C to +80°C
<b>IECEx Certification</b>	SIRA	IEC Ex ib IIC T4 Gb, T <sub>amb</sub> = -40°C to +80°C
<b>North American Certifications</b>	CSA US CSA Canada	Class I, Zone 1, AEx ib IIC T4 Gb, T <sub>amb</sub> = -40 °C to +80 °C Ex ib IIC T4 Gb, Tamb = -40 °C to +80 °C

Requires the use of a galvanically isolated safety barrier if probe or transmitter is in a Class 1 Division 2 area, Zone 1, or Zone 2. Consult Factory for more information.

<b>Compatibility</b>	All ER probes (excludes ER Temperature probes)
<b>CE</b>	Complies with all applicable EU Product Directives: EMC Directive 9/336/EEC
<b>ATEX</b>	Complies with all applicable EU Product Directives: ATEX Directive 94/9/EC

### Dimensions



### Ordering Information

Model		ER Two-Wire Transmitter				
4020LT-A		ER Two-Wire Transmitter				
Code	Cable Type					
0	Standard					
1	Flexible Conduit					
Code	Probe Connector Type					
A	Inserts: 2000, 3000, 3705					
B	Fixed & Adj: 2500, 2520, 2600, 2610, 2620, 3500, 3600, 4000 Series					
C	Retractable: 3700* (Standard Cable Only)					
Code	Default Probe Element Type**					
W	Wire Loop					
T	Tube Loop / Flush					
S	Strip Loop					
SP	Cylindrical					
Code	Enclosure Type					
0	Fiberglass Polyester NEMA 4X (Standard)					
1	Stainless Steel 316 NEMA 4X					
Code	Cable Length					
L	Cable Length in Feet (100 ft. Max)					
4020LT-A	0	B	W	0	10	← Example

\*Standard cable type only. \*\*Probe Elements easily selected by rotary switch (wire loop-W tube/flushLoop-T, Strip loop-S, cylindrical-SP). See image below (rotary switch).

### Accessories

Part Number	Description
095786	All ER probes (excludes ER Temperature probes)
402207	Mounting Bracket Assembly for Pipe
044012-8	Test probe for 4020LT-A-W
044012-9	Test probe for 4020LT-A-SP

