

INDION® CX105

2-WIRE TRANSMITTER

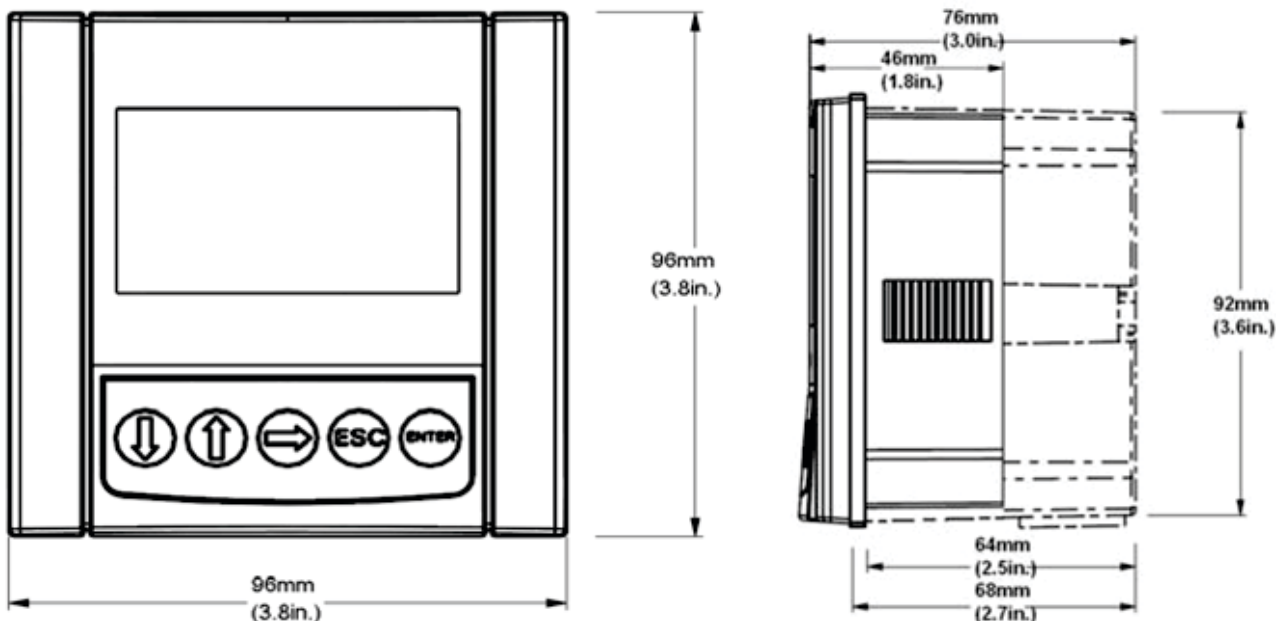
The Indion CX105 is an isolated output 4-20 mA industrial transmitter for reading contacting conductivity sensors as well as TDS and Resistivity. It easily powers the unit with the available 2-wire power supply loop. It is ideal for connecting to a Programmable Logic Controller (PLC) for advanced control systems. It has versatile mounting options for wall or panel mount. Due to a dual display LCD, monitoring both the measuring value and the temperature is simple.

The CX105 is CE certified.

Features

- Large LCD screen for easy reading
- Isolated 4-20 mA analog output
- Automatic temperature compensation
- Flexible mounting options

Mounting Details



Ordering Information

Part Number	Description
CX105	Contacting Conductivity Transmitter

Technical Specifications

Measuring Range	0.05 to 500,000 $\mu\text{S}/\text{cm}$
Resistivity Range	1 K Ω/cm to 18.3 M Ω/cm
TDS Range	0.023 to 200,000 ppm
Accuracy	$\pm 0.5\%$ of reading
Repeatability	$\pm 0.05\%$ of span
Temperature Drift	Zero and Span: $\pm 0.02\%$ of span per $^{\circ}\text{C}$
Power	19-48 VDC, regulated, 30 mA max
Current Output	Isolated 4-20 mA output with 0.004 mA (12-bit) resolution Update rate: 1 second Max Loop Impedance: 250 Ω at 24 V; 600 Ω at 31 V; 1500 Ω at 48 V
Open-Collector Output	Isolated, 50 mA sink, 40 VDC maximum pull-up voltage The OC output can be configured to be: High mode, Low mode or Proportional pulses
Display	Dual display LCD: 128*65 dot matrix, figure or alphabet
Contrast	User selected, 5 levels
Memory	Non-volatile: all user settings are retained indefinitely without battery backup
IP Rating/Mounting	IP65/Universal (Panel/Field)
Operating Temperature	-10 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (14 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$); 0-95% relative humidity, non-condensing
Temperature Compensation	Automatic, PT1000 RTD
Calibration	1 point
Model/Weight	CX105/381grams (0.84lbs)
FG Code	ZNC07GUTNA00000

For more information write to us at: inst.sales@ionexchange.co.in

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional/branch offices for current product specifications.

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ION EXCHANGE (INDIA) LTD.

Corporate Office

Ion House, Dr. E. Moses Road,
Mahalaxmi, Mumbai - 400011
Tel: +91 22 6231 2000
Fax: +91 22 2493 8737
E-mail: ieil@ionexchange.co.in

Sales Office

Ion House, No. C-72 & 83, Devasandra Industrial Area,
ITI Ancillary Industrial Estate, ITPL Whitefield Road,
Mahadevapura Post, Bengaluru 560 048
Tel: +91 80 220 428 88
E-mail: bnghocroser@ionexchange.co.in

Factory

105, SIPCOT Industrial Complex,
SIPCOT, Hosur - 635 126, Tamil Nadu
Tel: +91 4344 304 600
E-mail: inst.production@ionexchange.co.in

www.ionindia.com

