

SALIENT FEATURES

- On-line measurement.
- 2 wire system.
- 4 - 20 mA DC output.
- Auto / Manual Temperature Compensation.
- Optional LCD indication.
- Flame-proof, IP-65, Gr.I, IIA, IIB, CMRI certified housing.
- 2" pipe mounting with 'C' bracket.

DESCRIPTION

Electronet's CT-001 is field mounting type two wire Conductivity Transmitter used for on line Conductivity measurement. Temperature compensation is the additive feature of the transmitter. The conductivity signal is transmitted in the form of 4-20 mA DC current. The on-line LCD indication is optionally available. The measurement range is programmable through keypad due to use of State-of-Art Microprocessor in the transmitter.



TECHNICAL SPECIFICATIONS

| | |
|----------------------------|--|
| Input | : From conductivity cell |
| Conductivity Cell Constant | : 0.01 / 0.1 / 1 |
| Display | : 8x1 digit, LCD display |
| Range | : a) 0 - 100 S/cm for cell constant 0.01 b) 0 - 1000 S/cm for cell constant 0.1 c) 0 - 10,000 S/cm for cell constant 1 |
| Output | : 4 -20 mA DC, 2 wire - Isolated |
| Accuracy | : Better than $\pm 1\%$ F. S. ± 1 digit |
| Power Supply | : 24 V DC, 30 mA - External |
| Power Consumption | : Less than 1 VA |
| Temperature Compensation | : Auto / Manual (0 - 100 °C) through Pt 100 element |
| Temperature Drift | : Less than 0.01% of F. S. per °C change |
| Response Time | : Less than 200 mSec |
| Isolation | : 1.4 KV between Input & Output |
| Enclosure | : Flame-proof, IP 65, Gr.I, IIA, IIB CMRI Certified |
| Mounting | : 2" pipe mounting with C bracket |
| Weight | : 3 Kg. (Approx.) |
| Operating Temperature | : 0 - 55 °C |
| Humidity | : 10 to 90% non condensing |

CODIFICATION FOR CT 001

CODE TEMPERATURE COMPENSATION SENSOR
 01 : RTD, PT 100
 02 : OTHER (PL. SPECIFY)

CODE CONDUCTIVITY ELECTRODE
 01 : NONE
 02 : REQUIRED *

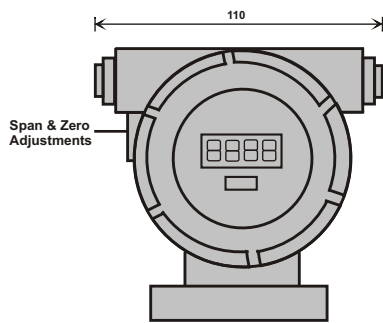
CODE ENCLOSURE
 01 : WEATHER-PROOF
 02 : EX-PROOF

CODE TEMPERATURE COMPENSATION
 01 : AUTO
 02 : MANUAL

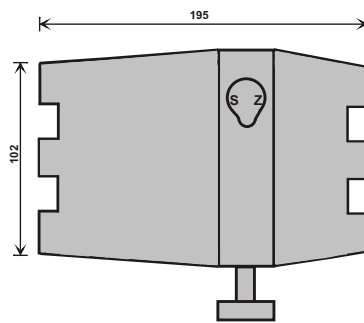
CODE MOUNTING
 01 : 2" PIPE MOUNTING WITH C BRACKET

CT 001 01 01 01 01 01 01 SAMPLE MODEL NUMBER

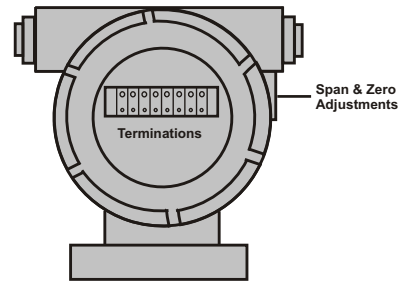
MOUNTING DETAILS



FRONT VIEW




SIDE VIEW



REAR VIEW

Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

MANUFACTURED & MARKETED BY

 **ELECTRONET EQUIPMENTS PVT. LTD**
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