

# CT - 100S

## CONDUCTIVITY TRANSMITTER

### Features

- On-Line Measurement    ■ 2 Wire System
- Non Volatile memory retains program settings during power failures
- 4–20 mA DC Output (Optional HART Compatible)
- Auto / Manual Temperature Compensation
- On-Line Indication through LCD Display
- Simple Operating Interface
- Protection Class IP-65

### Description

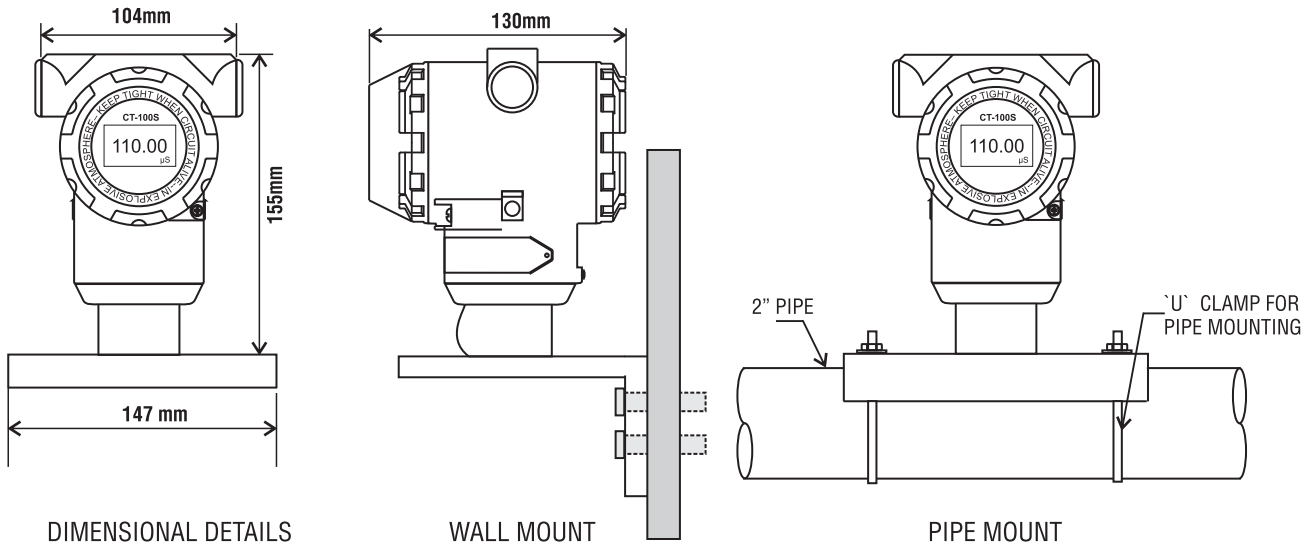
**E**lectronet series CT-100S are Conductivity transmitters used for various industrial applications. It can accept input from conductivity electrode of cell constant 0.01 / 0.1 / 1 / 10 & conductivity signal is transmitted in the form of electrical 4 – 20 mA signal. The on-line conductivity indication is provided through LCD. Span/Zero adjustments are easily accessible.



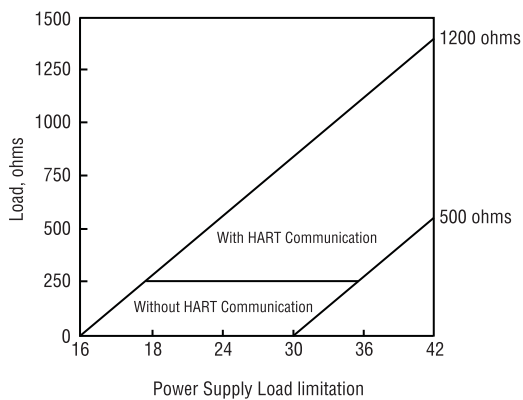
### Technical Specifications

Type of Input	From Conductivity Electrode
Type of Output	4 – 20 mA DC, 2 Wire Isolated
Cell Constant	0.01 / 0.1 / 1 / 10
Display	Local display LCD with backlit
Calibration Range	Factory Calibrated <b>1</b> 0 to 99.99 µS/cm for cell constant 0.01
	<b>2</b> 0 to 999.99 µS/cm for cell constant 0.1
	<b>3</b> 0 to 9999.99 µS/cm for cell constant 1
	<b>4</b> 0 to 99999.99 µS/cm for cell constant 10
Temperature Compensation	Auto / Manual through RTD, PT 100 sensor for 0–150 °C
Accuracy	+/- 0.25% F. S.
Isolation	1.4 KV between Input, Output & Power Supply
Power Supply	24 V DC
Power Consumption	< 50 mW
Sensor Connection	1) Through BNC connector    2) Through Terminals
Response Time	< 500 mSec
Temperature Coefficient	+/- 0.01% per °C
Temperature Drift	+/- 0.02% of SPAN per °C (zero & span) at 25 °C and 500uS/cm
Electronics Enclosure	Weather-proof, IP-65
Dimensions	155 mm (H) x 105 mm (W) X 130 mm (D)
Conduit Entry	1) M20X1.5 (F)    2) ½" NPT(F)
Mounting	2" Pipe Mounting
Weight	1kg
Operating Conditions	Temperature -20 to 75 °C / Humidity 5 to 95% non condensing
Housing	Cast aluminum with epoxy coating NEMA 4X (IP-65)
Digital Communication	HART
<b>ACCESSORIES (Optional)</b>	
Temperature Compensation Sensor	RTD, PT 100 (0 – 125 °C )
Flow Through Assembly	SS / PP
Certification	<b>CE</b>

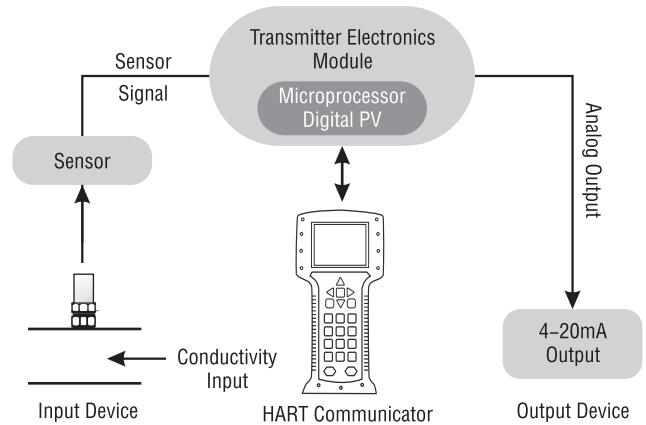
Dimensional & Mounting Panel



Power Supply Vs Load Graph



Loop Diagram



Ordering Information

Sample Order Code : 07A-22B-25A-49B

Parameter	Code	Value	Parameter	Code	Value
07 Area Classification	07A	Weather Proof	25 Temperature Compensation	25A	RTD
	07B	Flame Proof		25X	Other
	07Y	None	49 Output	49A	4 to 20 mA
22 MOC Electronics Enclosure	22A	Die Cast Aluminium		49B	4 to 20 mA with HART
	22B	SS316			

Note : • Due to our continuous product revisions, design specification and model numbers are subject to change without notice.  
 • Accuracy defined at Lab Conditions.  
 • For other requirement please consult factory.

ELECTRONET EQUIPMENTS PVT. LTD.

Factory Address:

Plot No. 8, (SEZ) Phase 1, Kesurdi MIDC, Khandala, Dist.- Satara Pin: 412 801, Maharashtra, India.

Registered Office:

Plot No. 84, 85, 86, Tiny Industrial Estate, Kondhwa Budruk, Pune-411 048, Maharashtra, India.

+91-20-26931476/2039 ho@eeplindia.com +91-20-26934122 www.eeplindia.com