

CTT 100S

TOROIDAL CONDUCTIVITY / TDS TRANSMITTER



Features

- On-Line Measurement
- Non Volatile memory retains program settings during power failures
- 4-20 mA DC Output / 4-20 mA with HART (Generic)
- Auto / Manual Temperature Compensation
- On-Line Indication through LCD Display
- Simple Operating Interface
- 2 Wire System



Description

Electronet series CTT 100S are Conductivity transmitters used for various industrial applications. It can accept input from Toroidal Conductivity Electrode & 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.

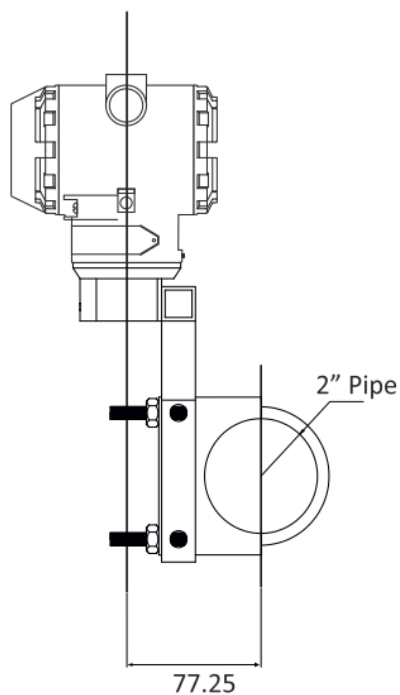
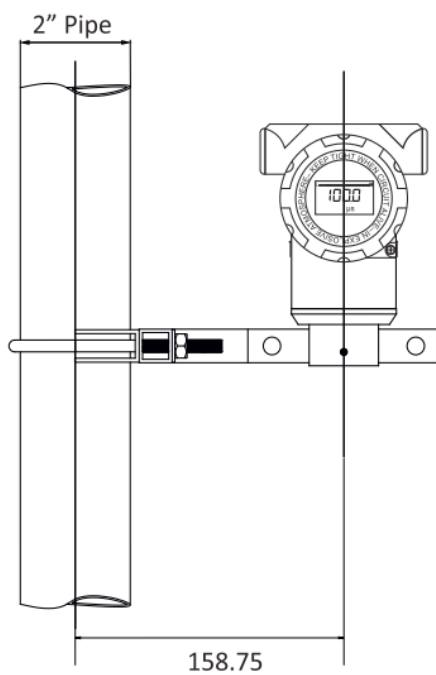
Technical Specifications

Type of Input	From Toroidal Conductivity Electrode
Calibration Range	200 to 2000000 $\mu\text{S}/\text{cm}$
Power Supply	24V DC Two Wire Loop Powered
Power Consumption	< 50 mW
Display	Local display LCD with backlit
Type of Output	4-20 mA DC Output / 4-20 mA with HART (Generic)
Electronics Transmitter Accuracy	+/- 0.25% F. S.
Response Time	< 500 mSec
Temperature Coefficient	+/- 0.01% per $^{\circ}\text{C}$
Temperature Compensation	RTD PT-100 / RTD PT-1000
Ambient Conditions	Temperature -20 to 60 $^{\circ}\text{C}$ / Humidity 5 to 95% non condensing at 25 $^{\circ}\text{C}$
Isolation	1.4 KV between Input, Output & Power Supply
Sensor Connection	1) Through BNC connector 2) Through Terminals
Conduit Entry	1) M20X1.5 (F) 2) 1/2" NPT(F)
Dimensions	155 mm (H) x 105 mm (W) X 130 mm (D)
Mounting	2" Pipe Mounting
Electronic Protection Class	Flame Proof CMRI IIA IIB / Weather Proof IP-65
Housing	Cast aluminum with epoxy coating NEMA 4X / SS316
Weight	1kg (Approximate)
Flow Through Assembly (Optional)	SS316 / PP
Certification	CE

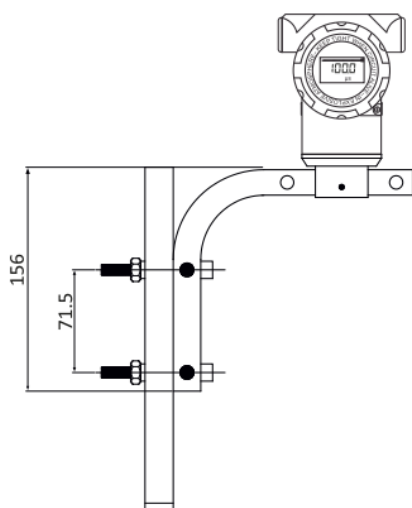
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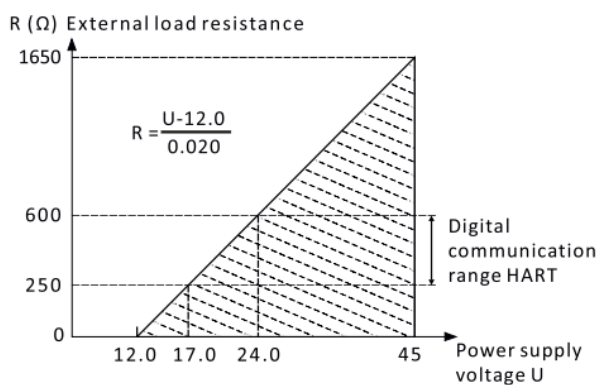
Pipe Mounting Panel



Wall mounting Panel



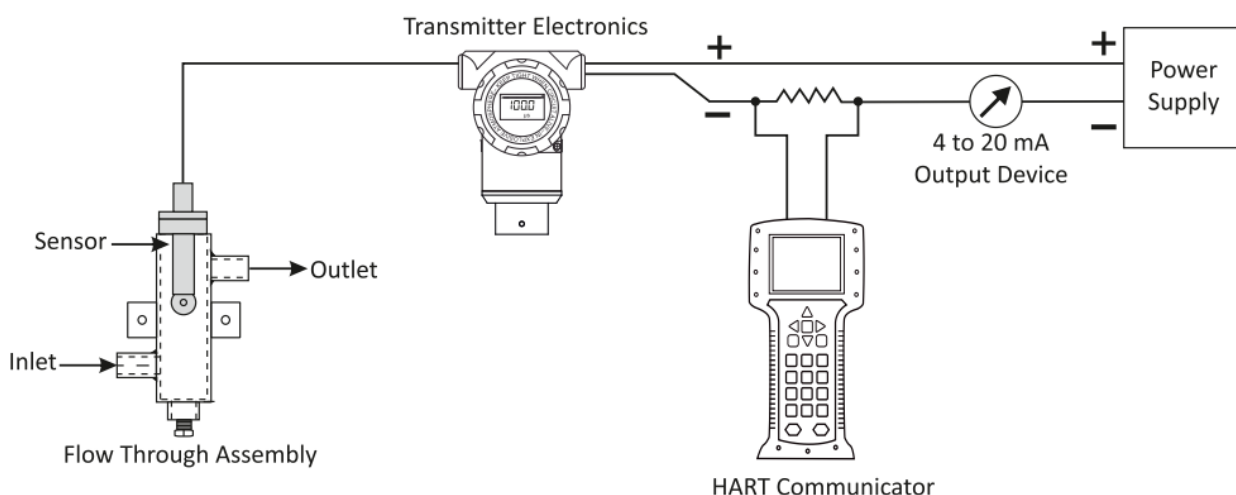
Power Supply & Load Requirements



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Loop Diagram



Ordering Information

Sample Order Code : CTT 100S-A1-B1-C1-D1-E1-F1

	Parameter	Code	Description
A	Mounting Type	A1	Panel Mount (96 X 96)
		A2	Field Mount (2"Pipe Mount)
B	Area Classification - Electronic	B1	Weather Proof IP-54
		B2	Weather Proof IP-67
		B3	Flameproof (CMRI IIA IIB Certified)
C	MOC Electronics Enclosure	C1	Aluminium Die Cast PU Painted
		C2	SS-316

	Parameter	Code	Description
D	Electrical Connection	D1	M20 X 1.5 (F)
		D2	1/2" NPT (F)
		D3	M12 Connector
		DY	Other
E	Temperature Compensation	E1	RTD PT-100
		EY	Other
		EX	NA
F	Output 1	F1	4 to 20 mA
		F2	4 to 20 mA with HART (Generic)

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.
- Sensor & other accessories to be ordered separately.
- Refer sensor cat for measuring range

This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.

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