

DO 100S

DISSOLVED OXYGEN TRANSMITTER



Features

- On-Line Measurement
- Auto / Manual Temperature Compensation
- 4-20 mA DC Output / 4-20 mA with HART (Generic)
- On-Line Indication through LCD Display
- Simple operating interface with basic Pictographs
- 2 Wire System



Description

Electronet series DO 100S are dissolved oxygen transmitters used for various industrial applications. It can accept input from DO electrode the signal is transmitted in the form of electrical 4-20 mA signal. The on-line indication is provided through LCD. Span/Zero adjustments are easily accessible.

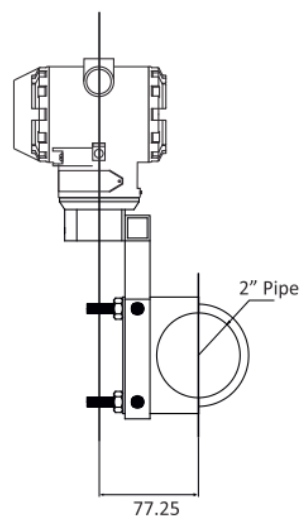
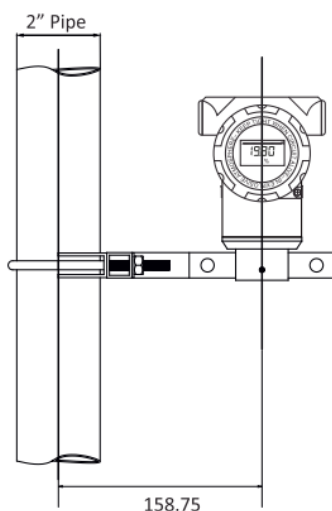
Technical Specifications

Type of Input	From DO Electrode
Type of Output	4 - 20 mA, 4 - 20 mA with HART (Generic)
Display	LCD Display
Calibration Range	0 to 20.9 ppm
Electronics Transmitter Accuracy	+/- 0.25% F. S.
Isolation	1.4 KV between Input, Output & Power Supply
Sensor Connection	1) Through BNC connector 2) Through Terminals
Power Supply	24V DC Two Wire Loop Powered
Power Consumption	< 50 mW
Repeatability	+/-0.05% of SPAN, at 25 °C
Response Time	< 1000 mSec
Temperature Coefficient	+/- 0.01% per °C
Temperature Compensation	RTD PT-100 / RTD PT-1000
Electronic Protection Class	Flame Proof CMRI IIA IIB / Weather Proof IP-67
Dimensions	155 mm (H) x 105 mm (W) X 130 mm (D)
Electrical Connections	1) M20X1.5 (F) 2) ½" NPT(F)
Mounting	2" Pipe Mounting
Weight	1 kg (Approximate)
Ambient Conditions	Temperature -20 to 70 °C / Humidity 5 to 95% non condensing at 25°C
Housing	Cast aluminum with epoxy coating NEMA 4X / SS316
Flow Through Assembly (Optional)	SS / PP
Certification	CE

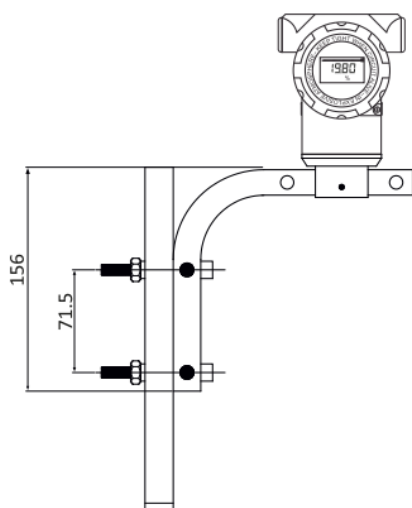
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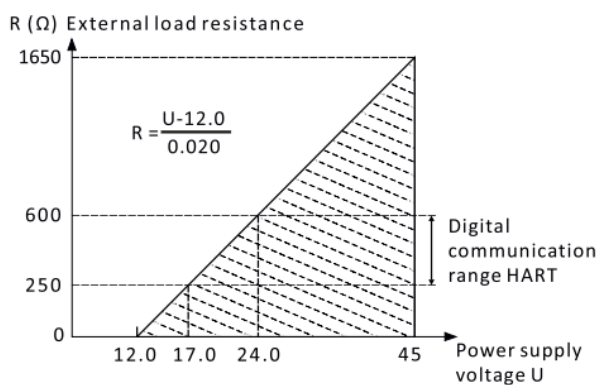
Pipe Mounting Panel



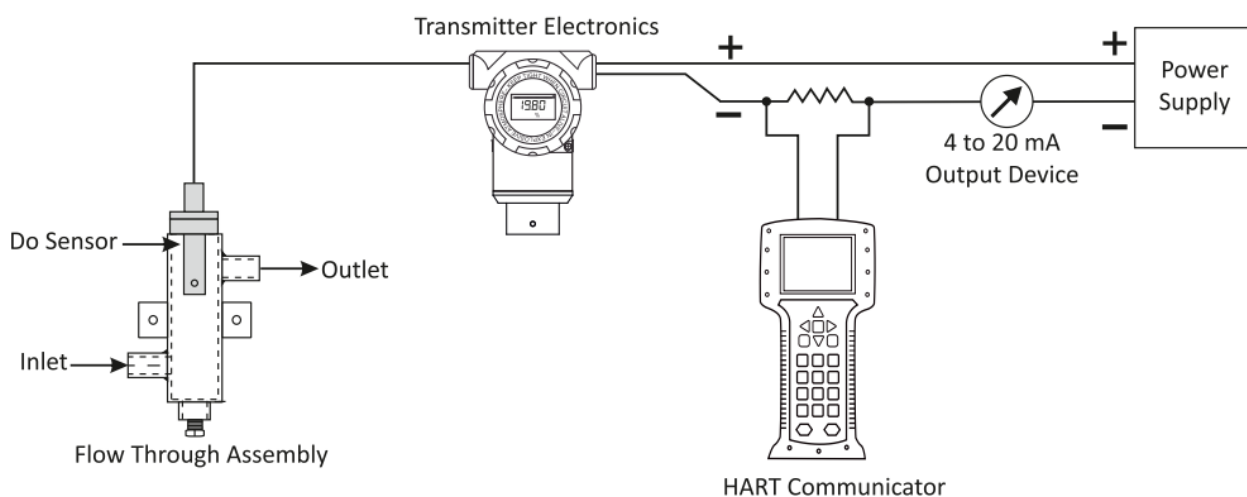
Wall mounting Panel



Power Supply & Load Requirements



Loop Diagram



Ordering Information

Sample Order Code : DO 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.

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

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