



DO - 100S

DISSOLVED OXYGEN TRANSMITTER

Features

- On-Line Measurement
- Auto / Manual Temperature Compensation
- On-Line Indication through LCD Display
- Simple operating interface with basic Pictographs
- 2 Wire System
- 4–20 mA DC Output
- Protection Class IP–65
- Easy Installation

Description

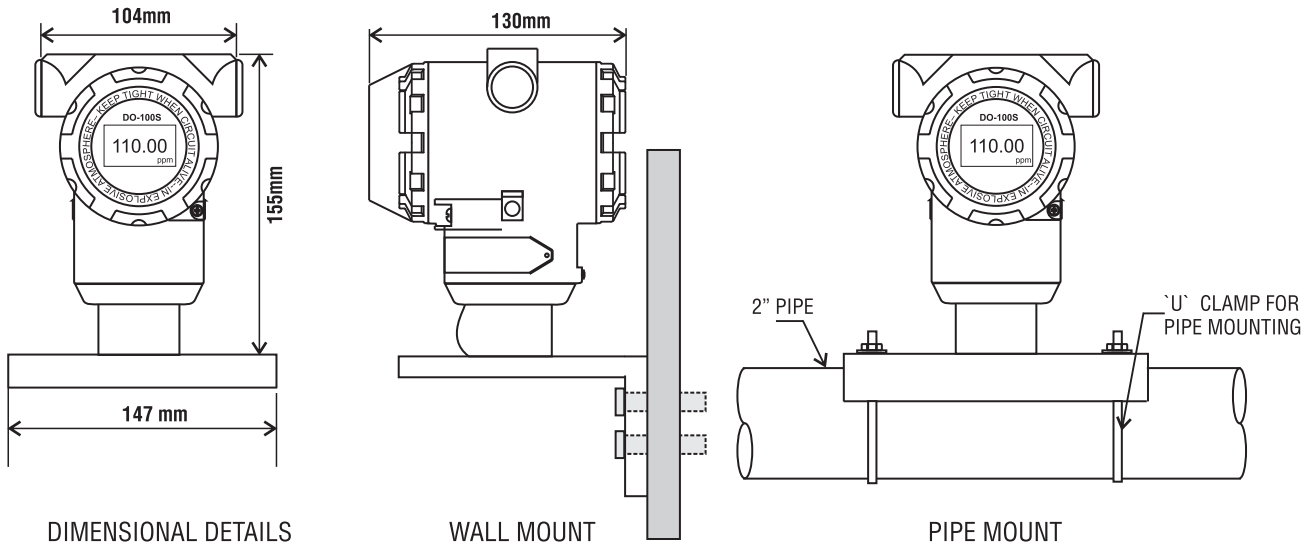
Electronet series DO-100S are dissolved oxygen transmitters used for various industrial applications. It can accept input from DO electrode the signal is transmitted in the form of electrical 4 – 20 mA signal. The on-line indication is provided through LCD. Span/Zero adjustments are easily accessible.



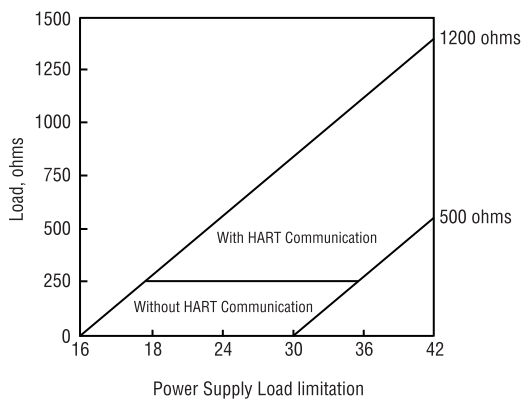
Technical Specifications

Type of Input	From DO Electrode
Type of Output	4 – 20 mA DC, 2 Wire Isolated
Display	LCD Display
Calibration Range	Factory Calibrated
Temperature Compensation	Auto / Manual through RTD, PT 100 sensor for 0–150 °C
Accuracy	+/- 1% F. S.
Isolation	1.4 KV between Input, Output & Power Supply
Sensor Connection	1) Through BNC connector 2) Through Terminals
Power Supply	24 V DC, External
Power Consumption	< 50 mW
Repeatability	+/-0.05% of SPAN, at 25 °C
Sensitivity	+/-0.02 %
Stability	0.02 % per 24 Hours, Non- Cumulative
Response Time	< 1000 mSec
Temperature Coefficient	+/- 0.01% per °C
Electronics Enclosure	IP-65
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
Operating Conditions	Temperature -20 to 75 °C / Humidity 5 to 95% non condensing
Storage Temperature	-22 to 1760F (-30 to 80°C)
Housing	Cast aluminum with epoxy coating NEMA 4X (IP-65)
Digital Communication	HART
ACCESSORIES (Optional)	
Temperature Compensation Sensor	RTD, Pt 100 (0 – 125 °C)
Flow Through Assembly	SS / PP

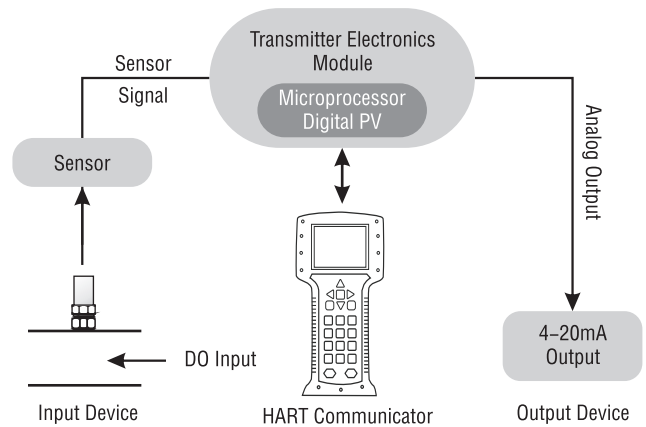
Dimensional & Mounting Panel



Power Supply Vs Load Graph



Loop Diagram



Ordering Information

Sample Order Code : 7B-22A-25A-49A

Parameter	Code	Value	Parameter	Code	Value
07 Area Classification	07A	Weather Proof	25 Temperature Compensation	25A	RTD
	07B	Flame Proof		25X	Other
22 MOC Electronics Enclosure	22A	Die Cast Aluminium	49 Output	49A	4 to 20 mA
	22B	SS316		49B	4 to 20 mA with HART

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