

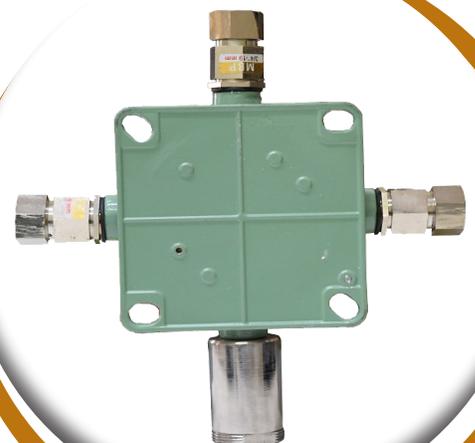
# FLAMEPROOF OXYGEN MONITOR



Flameproof Oxygen Monitor Transmitters manufactured by Ace Instruments are high precision microcontroller based gas transmitters housed in flameproof aluminum LM-6 Body certified by CIMFR, Dhanbad for use in Gas Group Areas I, II, IIA & IIB. The 4 digit LED display shows the digital display of oxygen gas concentration in the range of 0.0 to 25.0% Volume.

## FEATURES

- ◆ Industrial Standard, 4-20 mA O/P with respect to gas concentration
- ◆ Loop test, Assures proper operation of the transmitter without calibration gas
- ◆ Power on startup through intelligent electronic, self driven menu
- ◆ Microcontroller Based Software Calibration - No Trim Pots
- ◆ Calibration Possible In Atmospheric Air
- ◆ Easy Programming With Password Protection
- ◆ Easy-to-read LED Display, Fast Response
- ◆ Built-in Reverse Polarity Protection
- ◆ Suitable In Hazardous Area CMRI & IP-65 Approved



# Specifications

Manufacturer	ACE Instruments
Models	AI-02-FLP
Input	Oxygen Gas Concentration
Range / Resolution	Standard 0.0 to 25.0% Volume or Optional 0 to 100% Volume (speak to Factory)
Accuracy	± 1% of the full scale value
Sensor type	Electrochemical sensor, Imported make
Sensor life	Approx. 3-4 years ; Replaceable basic sensor
Analog Output	Industrial standard 4-20mA DC Retransmission O/P with permissible load 750 ohm at 24 VDC, 25mA
Display	0.5", 3½ digit LED Display
Set point	1 No. Relay Output (NO/CO/NC), 2 Amps rating
Communication	RS 485 Modbus Protocol Isolated communication for connection to SCADA/BMS/PLC, etc.
Setting	Magnetic Keys for setting the relay set points without opening the front cover
Supply Voltage	24 VDC, 300mA
Enclosure	Flameproof Aluminum LM-6 Body certified by Central Institute of Mining & Fuel Research, CIMFR, Dhanbad, India for use in Gas Group Areas I, II, IIA & IIB
Cable Gland Entries	3 Nos. Cable Gland Entries for 3/4" ET
Enclosure Dimensions	190mm (H) x 185mm (W) x 100mm (D)
Weight	Approx. 1.5 Kgs.
Warranty	12 Months Manufacturer Warranty



**ACE INSTRUMENTS**

(An ISO 9001-2008 Certified Company)

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