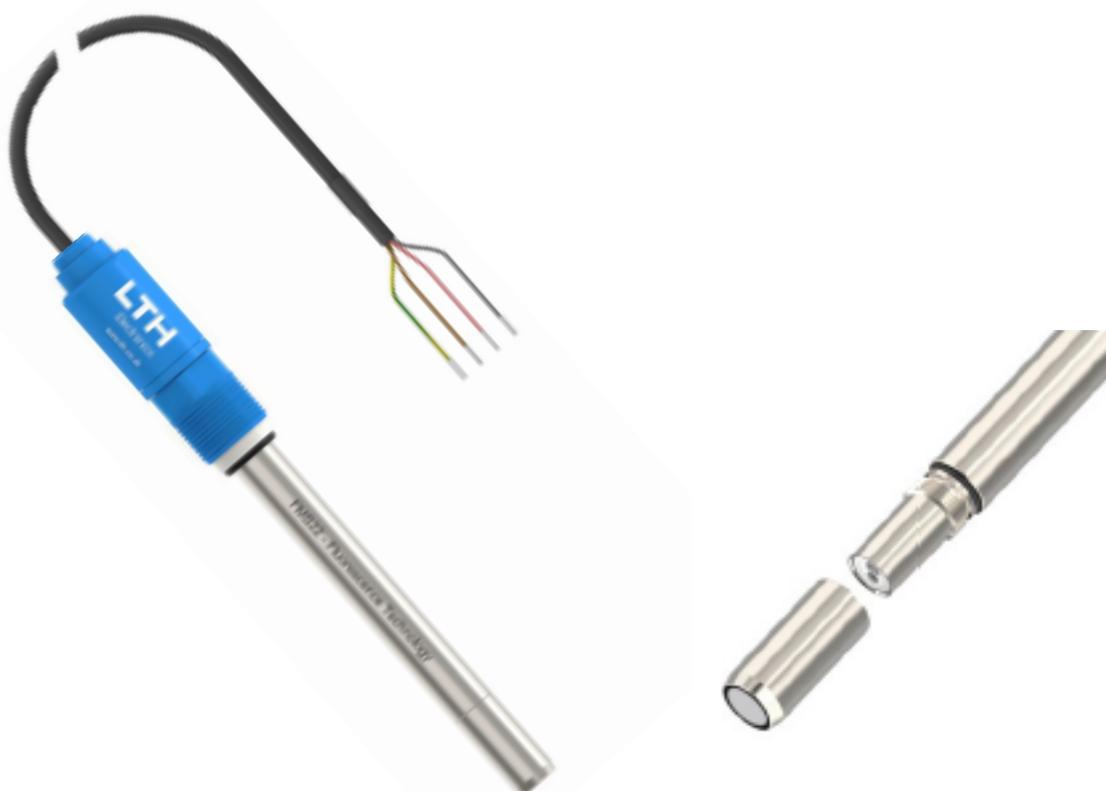


FMS22 Fluorescence Dissolved Oxygen Sensors



Features

- No Electrolyte Requirement
- No Flow Requirement
- No Oxygen Consumption
- Plug-and-Play with SMART Calibration
- Easy Optical Cap Replacement
- Retains Calibration History
- Compatible with LTH BOD17 & MXD70 Series controllers



The OptaProbe™ Model W is a SMART optical dissolved oxygen (DO) sensor for use in water and wastewater applications. Combines high reliability with low maintenance. Standard PG13.5 x 120 mm design.

Technical Specifications FMS22

Operating Range:

0 – 300% SAT (0 – 30 PPM)

5°– 50° C

0 – 5 bar

Accuracy:

Within 1% full range (%SAT or PPM)

Response Time

T98 < 15 seconds @37° C; N2 to AIR

T98 < 15 seconds @37°C; AIR to N2

Termination

Fixed cable standard 10M length
Terminated with tag ends

Instrument Compatibility

BOD17 Series
MXD70 Series

Digital Output

Process Variable: 0 – 300 % SAT (0 – 30 PPM)

Temperature Compensated

Phase Angle: Range 10°–100° PA

Operational Temp: 5°– 50° C

Amplitude (diagnostic for Sensing Surface Health)

Wetted Materials:

Sensor Body and Cap: 316L Stainless Steel

O-rings: EPDM

Sensing Surface: PES and silicone rubber

Power Supply

5.0 VDC supplied by power module or transmitter

Design Features:

Easily Replaced Optical Cap

Rugged PVC Coated Cable w/ Ferrules

Standard PG13.5 12x120mm design

User adjustable bubble filter

Order Codes

Part No	Description
138/400	FMS22 Fluorescence (Optical) Dissolved Oxygen sensor with a flat sensing surface. PG13.5 Thread, fitted with 10 Metres of cable and tag ends.
SPARE PARTS	
138/410	E-3671-01 Single cartridge kit for FMS22 Fluorescence (Optical) Dissolved Oxygen sensor with a flat sensing surface. Includes replacement O ring kit.
138/411	E-3671-04 4 Piece cartridge kit for FMS22 Fluorescence (Optical) Dissolved Oxygen sensor with a flat sensing surface. Includes replacement O ring kit.

Note: Temperature, pressure and solution composition will influence the life expectancy of the measurement sensor.



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