

Oxygen Detection

OXY-IS SERIES

AIR: OXY-IS-D (Diffusion) and OXY-IS-DF (Flow Through)

WATER: OXY-IS-DSUB (Diffusion Submersible) and OXY-IS-DFW (Flow Through)

Specifications

Physical	Size	6.5W x 8H x 5.5D inches (165W x 203H x 140D mm).
	Sensor Weight	3.5 pounds (1.6 Kg).
	Construction	Tough, thermosetting plastic. Hinged door and secure access.
	Hardware	Stainless steel for long life.
	Circuit module	Encapsulated (water/dust proof).
Electrical	Input voltage	9.5-30 VDC (110/220VAC optional).
	Output current	4-20 ma
	Current driver	Auto-compensation, for combined load/line resistance to 500 ohms.
	Grounding	Not required.
	Fuse	Solid state, auto-reset.
Oxygen Sensor	Cell type	Galvanic fuel cell, replaceable.
	Cell construction	All plastic, with organic diffusion membrane, non-corrosive.
	Expected cell life	18 months under normal conditions
	Drift	Less than 0.5% per month when stabilized in location
Air or Gas	Access to atmosphere	Diffusion, no pump required – OXY-IS-D Flow Through –
	Air Flow Through	Quiet Green Turtle Pump – OXY-IS-DF
	Range	30 lpm (other flow rates available) 0-25%, 0-50% dual scale is standard. Others available
	Sensitivity	0.5% O ₂ in air (by volume). Diffusion, no pump required – OXY-IS-D



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