



Innovation in Environmental & Process Technology

We **Understand** Water & Waste Water Monitoring

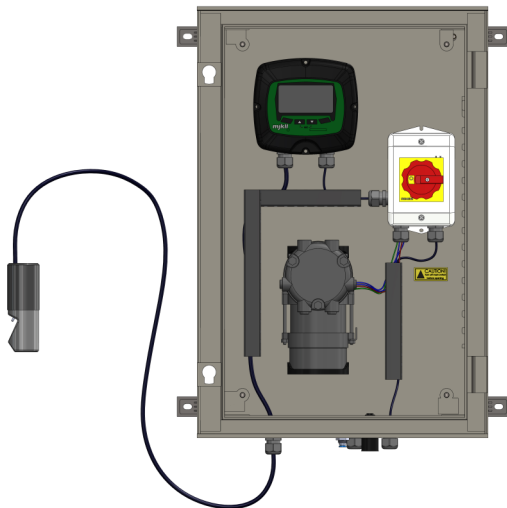
Optical Dissolved Oxygen Measurement

InsitelG 1000 / 2000 / OptoDOSys



Alternative
Transmitter &
Housing Options

Transmitter & Cleaning compressor
can be installed in a compact
weatherproof housing

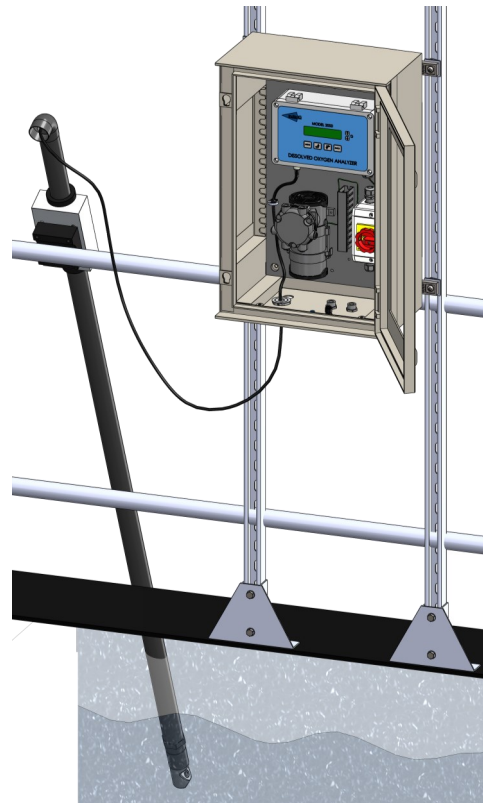


5 Year Warranty



Features:

- No membranes to replace
- 5 yr sensor warranty
- Air blast cleaning option
- Accurate in low DO environments
- Robust, not subject to photo bleaching
- Flexible install options within different size weatherproof housings



Flexible install options for ease of deployment

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Sensor Specification	
Operation principle	Optical near infra-red fluorescence ($I_{in}=475nm$, $I_{out}=690nm$)
Material	PVC, polyurethane, silicone, epoxy and stainless steel 316
Dimensions	50 x 130mm (diameter x length)
Range	0-25mg/l, 0-25ppm
Resolution	0.01ppm below 4.00ppm, 0.1ppm above 4.00ppm
Repeatability	0.01ppm
Accuracy	Better than 1%
Sensor drift	<1% per year
Response time	95% under 60 sec
Temperature range	0-60°C
Approvals	EN61000-6-4:2001, EN61000-62:2001

Transmitter Specification	Insite IG (SCA/DCA/MPA)	MJK (Oxix)
Dimensions (h x w x d)	312/225/150 mm	162/150/89mm
Weight	4 kg	1.1 kg
Materials	Fibreglass	Polycarbonate, glass reinforced
Weather Protection	NEMA 4X	IP 67, NEMA 6
Outputs:		
Analogue	2 x 0/4-20mA	1 x 4-20mA
Digital	2 x form C 10/6 Amp load 2 x form A 10/6 Amp load 1 dedicated jet-clean relay	1 x volt-free electro-mechanical relay (may be used for auto-cleaning) 1 x optically isolated relay
Other	RS232 / RS485	RS232 / RS485 / PROFIBUS (optional)
Additional input	None	1 x max 30V 100ms pulse (may be used to trigger 'on demand' cleaning)
Supply voltage options	115VAC 50-60Hz 230VAC 50-60Hz	10-30VDC 115/230VAC 24VAC

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