

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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CONTACT US

Hach Company
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Loveland, CO 80539

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Home Info Central Support Tools What's New Corporate Contact Us

Advanced HACH LDO® Process Dissolved Oxygen Probe

Specifications

HACH LDO(TM) Dissolved Oxygen Probe: Specifications

PROBE/SENSOR SPECIFICATIONS

Measuring Range	unlimited from 0.00 to 20.00 ppm / 0.00-20.00 mg/L / 0 to 200% saturation
Resolution	0.01 ppm / 0.01 mg/L / 0.01% saturation
Repeatability	.05 ppm
Accuracy	<1 ppm: ±0.1 ppm; >1 ppm: ±0.2 ppm
Sensitivity	± 0.05% of span
Response Time (20 °C)	to 90%: <30 seconds; to 95%: <90 seconds
Interferences	*No interference from the following*: H_2S, pH, K^{+1}, Na^{+1}, Mg^{+2}, Ca^{+2}, NH_4^{+1}, Al^{+3}, Pb^{+2}, Cd^{+2}, Zn^{+2}, Cr(tot), Fe^{+2}, Fe^{+3}, Mn^{+2}, Cu^{+2}, Mi^{+2}, Co^{+2}, CN^{-1}, NO_3^{-1}, SO_4^{-2}, S^{-2}, PO_4^{+3}, Cl^{-1}, Anion Active Tensides, Crude Oils, Cl_2^{-1}
Sensor Cable	Integral cable with a quick disconnect type plug, 10m (30 ft). Additional lengths may be added by using a junction box and additional cable. Maximum distance from analyzer to sensor of 300 m (985 ft).
Probe Material	Foamed Noryl and 316 SS
Sensor Material	Polybutyl Methacrolate
Probe Warranty	3 years
Sensor Warranty	1 year

SC100 CONTROLLER SPECIFICATIONS

Range	DO: 0.00-20.00 ppm / 0.00-20.00 mg/L / 0-999.9% saturation
Accuracy	± 0.1% of span
Repeatability	± 0.05% of span
Temperature Drift Zero and Span	± 0.02% of span per °C
Response Time	60 seconds to 90% of value on step change
Relay Types/Outputs	Three SPDT (Form C), 5A @ 114/230 Vac, 5A @ 30 Vdc resistive
Alarms	Settings for low alarm point, low alarm point deadband, high alarm point, high alarm point deadband, off delay, on delay
Analog Outputs	Two isolated 0/4-20 mA, 0.004 mA resolution, up to 600 ohm load

COMMUNICATIONS

RS-232	Enables configuration and retrieval of measured data for one analyzer using IBM-compatible PC and Hach optional software tool kit
HART Protocol	Enables configuration and retrieval of measured data for multiple analyzers over a communication link using appropriate hand-held terminal or data system
RS-485 (MODBUS)	Enables advanced communications networking with PLC or SCADA System directly from analyzer

Artisan Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.com

Specifications subject to change.

MAIN PRODUCT PAGE

» Advanced HACH LDO® Process Dissolved Oxygen Probe
» Advanced HACH LDO® Process Dissolved Oxygen Probe for seawater

Go to top

Home | Info Central | Support | Tools | What's New | Corporate | Contact Us

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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