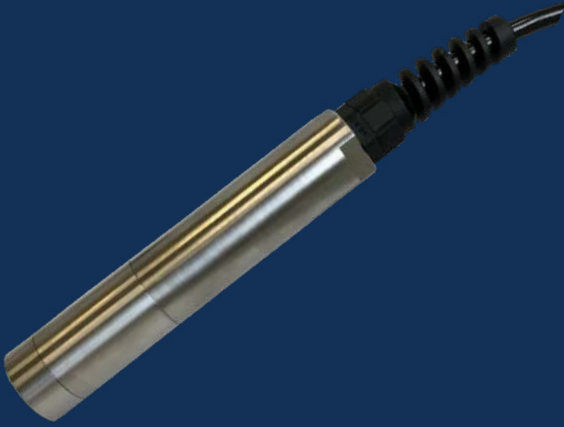


# DO PROBE

DO1000A / DO1000L



## FEATURES & BENEFITS

- Affordable real-time dissolved oxygen (DO) monitoring
- Range for wastewater to high purity applications
- Robust, compact and ultra-low power
- Optical technology without calibration
- Simple to install and easy to operate

MUNICIPAL DRINKING WATER  
MUNICIPAL WASTEWATER  
COASTAL WATERS  
INDUSTRIAL WASTEWATER

WATER QUALITY  
MONITORING  
SOLUTIONS

## REAL-TIME MONITORING SOLUTION

### DO Probe

Real Tech's Dissolved Oxygen (DO) sensor provides rapid real-time measurement of DO in water or wastewater. This compact and robust sensor is available as a submersible probe for open channel wastewater installations or as a bypass style sensor for pressurized water installations.

### Controllers and Accessories

Our innovative modular product platform ensures our clients gain the real-time water quality monitoring system that meets their specific demands and budget. With multiple sensor, controller and accessory options available, Real Tech provides a total solution for all of your unique water quality needs.

### Liquid Ai Compatible

Our Liquid Ai data services complement our real-time water quality monitoring systems. Our Remote Monitoring platform is a powerful data management and visualization tool that enables access to data anywhere, anytime.

## MEASUREMENT PRINCIPLE

Real Tech's DO probe uses a luminescent optical technology approved by the ASTM International Method D888-05. The compact and robust sensor requires no calibration and very minimal power. Without oxygen consumption, the sensor allows for accurate measurement in many applications, especially those with very low oxygen concentrations.

**REALTECH**  
INC.



# DO PROBE SPECIFICATIONS

CHARACTERISTIC	TECHNICAL DATA
Measurement Principle	Optical measurement by luminescence
Parameter	Dissolved Oxygen (DO)
Ranges	0-20 mg/L 0-20 ppm 0-200 %
Accuracy	+/- 0.1 mg/L +/- 0.1 ppm +/- 1%
Resolution	0.01
Units	mg/L, ppm, %
Response Time	< 5 s
Temperature Compensation	NTC thermistor
Electrical/Communication	From controller
Storage Temperature	-10°C to 60°C (14 to 140°F)
Materials	Stainless steel 316L
Weight	1 lb
Warranty	2-year limited warranty

## SPECIFICATIONS FOR DO1000A ONLY

Dimensions	5.75"H x 1.06" Diameter
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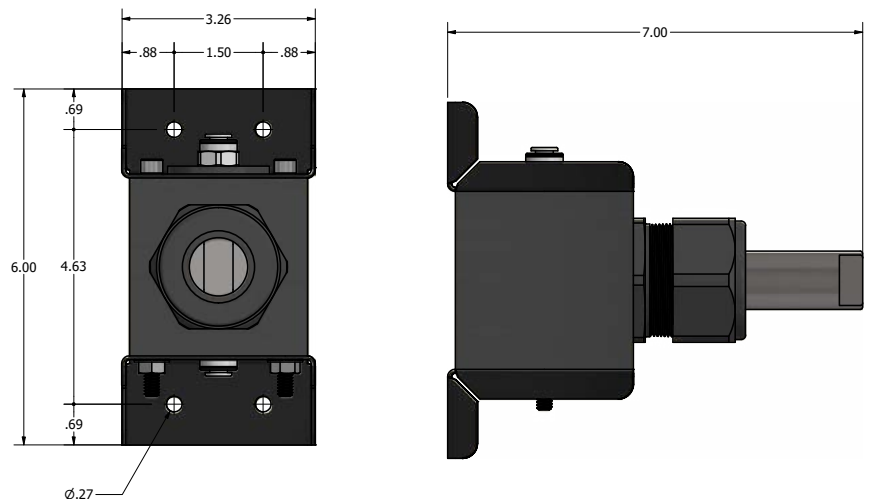
## SPECIFICATIONS FOR DO1000L ONLY

Flow Rate	300-1000 mL/min
Pressure Rating	5 PSI maximum
Fluid Connections	1/4" OD tube push-in fittings
Dimensions	6.00"H x 3.26"W x 7.00"D

\* Technical Specifications are subject to change without notice.

### DIMENSIONS FOR DO1000L

The DO1000L DO sensor is installed in a bypass manifold that is mounted directly on a wall, railing or system backboard. Sample is supplied to the sensor from a pressurized source.



## SENSOR MODELS

Includes DO probe and 50 ft communication cable.  
Controller and accessories sold separately.

MODEL #	NAME	DESCRIPTION
DO1000A	Real DO Probe Sensor	Submersible probe idea for open channel wastewater applications. Optional Mounting Kits available.
DO1000L	Real DO Bypass Sensor	Bypass style sensor ideal for pressurized water applications. Includes bypass chamber.

## RANGE

MODEL #	DISSOLVED OXYGEN (mg/L)
DO1000A / DO1000L	0-20 mg/L , 0-20 ppm or 0-200 % saturation

\* Stated ranges approximate, dependent on industry, site and application

## CONTROLLERS

PRODUCT #	NAME	DESCRIPTION
S-169000	Real Controller	Wall mounted controller with 4-line x 20-character back lit LCD display
S-11TPC	Real Controller Pro	Wall mounted controller with touch panel PC interface (PC inside cabinet model)
S-11TPCD	Real Controller Pro	Wall mounted controller with touch panel PC interface (PC external on door model)

## ACCESSORIES

PRODUCT #	NAME	DESCRIPTION
S-189041	Mounting Kit I	Probe Mounting Kit I with nozzle for DO1000A. No pole included.
S-189042	Mounting Kit II	Probe Mounting Kit II with nozzle for DO1000A. 5' pole included.
S-189043	Mounting Kit III	Probe Mounting Kit III with nozzle for DO1000A. 10' pole included.

### Real Tech Inc.

1150 Champlain Court,  
Whitby, Ontario L1N 6K9 Canada  
TF: 1.877.779.2888 T: 1.905.665.6888  
info@realtechwater.com

**REALTECH**  
INC.