

# DL4000 Low Cost DirectLine Conductivity Cells

## Specification

### Overview

The DL4000 conductivity cells are to be used with the DL423 DirectLine Conductivity module. The durable epoxy body construction provides for rugged and dependable conductivity sensor for light industrial applications.

DL 4000 conductivity cells are available in three cell constant configurations. Available cell constants are 0.1, 1.0 and 10.0. The 0.1 and 1.0 constant cells feature graphite measuring electrodes. The 10.0 constant cell has a platinum measuring electrode. All conductivity cells have an integral 8550 Ohm temperature compensator for accurate temperature measurement.

The conductivity cells can be mounted in-line, in a pipe tee or submersed. A simple  $\frac{3}{4}$ " NPT mounting gland fitting is supplied with every conductivity cell.



### Features

#### DL4000 Conductivity Cells

- **Rugged epoxy body construction** is virtually unbreakable in most light industrial applications
- **In-line, pipe tee or submersion mounting** for a variety of installation options
- **Available cell constants: 0.1, 1.0 and 10.0** for a wide measurement range
- **Graphite (0.1 and 1.0 constant) and Platinum (10.0 constant) measuring electrodes** for dependable and reliable measurement
- **$\frac{3}{4}$ " NPT mounting gland** provides for easy installation
- **Integral, reliable 8550 Ohm temperature compensator** ensures accurate temperature measurement
- **Integral 20' cable** for remote mounting to DL423 DirectLine Sensor Module

#### DL423 DirectLine Module

- **Direct 4-20 mA output** eliminates need for dedicated analyzers or transmitters, simplifying installation, start-up, operation, and maintenance tasks
- **Integral electronics with local HMI** simplifies installation and shortens calibration times
- **Local display and keypad** facilitates quick set-up, calibration, and operational activities
- **Trim value or 1-point solution calibration options** accommodates individual calibration techniques and reduces calibration time

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**Specifications**


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<b>DL4000 Conductivity Cell</b>	
<b>Cell Constants</b>	0.1, 1.0 and 10.0
<b>Wetted Materials</b>	0.1 and 1.0 Constants: Body: Epoxy Cell Electrode: Graphite 1.0 Constant: Body: Epoxy Cell Electrode: Platinum
<b>Temperature Rating</b>	0 – 65° C (32 – 149° F)
<b>Pressure Rating</b>	4.8 bar (70 psig)
<b>Temperature Compensator</b>	8550 Ohm thermistor
<b>Cable</b>	Integral 20' length
<b>Dimensions</b>	12 mm dia body (0.5"); 152.4 mm length (6.0")
<b>Mounting Gland</b>	Size: 3/4" NPT male thread Body Material: Polypropylene o-ring: Buna N

Distributor :

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