Sensorex[®]

SD7420CD & SD7420CD-ORP

PRODUCT SPECIFICATION SHEET

DIFFERENTIAL pH AND ORP PROBES WITH DIRECT 4-20mA OUTPUT



RECOMMENDED APPLICATIONS:

- Wastewater Treatment
- Drinking Water Treatment
 - Odor Scrubbers
 - Food Processing
 - Metal Finishing
 - Pulp and Paper
 - Chemical Processing

Employs differential measurement technique

Complete encapsulation protects internal electronics

Buffered reference cell solution resists contamination

Superior accuracy through elimination of ground loops

No transmitter required: direct 4-20mA output signal

Two year limited warranty

Differential sensors have longer working lifetimes

The differential design employs two glass electrodes, which record pH or ORP measurements differentially with respect to a third metal electrode. The reference cell of a differential sensor is actually a measuring electrode in a concentrated pH 7.0 buffer solution rather than a traditional silver/silver chloride reference. This type of reference cell resists contamination by the sample, improving measurement accuracy and extending sensor lifetime.

Save time and money with quick and easy maintenance

With differential technology, you won't have to replace the entire sensor after just a few months. Simply replace the salt bridge and refill the reference solution to keep your electrode working longer.

Don't want to purchase a transmitter or controller?

You don't have to. With a direct 4-20mA output, these differential sensors can be hooked up to a PLC or SCADA system with no transmitter or controller required.

Reliable performance in variable operating conditions

The differential design provides unsurpassed accuracy by virtually eliminating ground loops. Automatic temperature compensation ensures measurement accuracy in environments with rapid temperature changes. Durable Ryton® PPS body construction for extensive chemical compatibility.

DIRECT FIT COMPATIBILITY:

- Hach[®] 6428PO or 2428R0 (LCP body)
- Hach[®] 6422PO or 2422R0 (Ryton body)
- Water Analytics[®] P65C-8 or R65C-8 (CPVC Body)

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ORDERING INFORMATION

Part Number Description

| SD7420CD | Differential pH sensor with direct 4-20mA output, 20ft cable, tinned leads, 1.5" NPT mounting | |
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| SD7420CD-ORP | Differential ORP sensor with direct 4-20mA output, 20ft cable, tinned leads, 1.5" NPT mounting | |
| SDA-7001 | Replacement salt bridge for SD7420CD & SD7420CD-ORP, 1 each | |
| SDA-7003 | Replacement salt bridge for SD7420CD & SD7420CD-ORP, 3 each | |
| SDA-7010 | Replacement salt bridge for SD7420CD & SD7420CD-ORP, 10 each | |
| SDS-7015 | Standard cell refill solution, 125mL | |

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DESIGNED AND ASSEMBLED IN CALIFORNIA, USA

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