

INSTRUCTION MANUAL 234/244 SERIES CONDUCTIVITY SENSORS

The 234/244 Series conductivity sensors are intended for accurate conductivity measurement in industrial on-line applications.





The printing on each sensor label gives the following information (e.g.):

234/244 Series Conductivity	\rightarrow	Type designation (244 Series Shown)
Cell M: 0.2500	\rightarrow	Calibrated cell constant
Temp. M: 1.0003	\rightarrow	Calibrated temperature constant
Serial No.: 200017	\rightarrow	Traceable serial number
Order No.: 244-631	\rightarrow	Order number

Sensor Maintenance

<u>Note:</u> Contaminated sensors can give inaccurate high or low readings, depending upon the type and location of contaminant accumulation. Both the electrodes and the insulating surfaces must be cleaned to ensure accurate readings.

If contamination is suspected, removed the cell from its fitting and clean the electrodes and insulator. When cleaning, use a cotton swab saturated with a mild detergent or a very diluted (0.5% or less) inorganic acid, i.e. HCI (Hydrochloric Acid), H₂SO₄ (Sulfuric Acid), HNO₃ (Nitric Acid). If cleaning with acid use standard acid handling safety procedures.

Rinse thoroughly with distilled or deoinized water before installation. Avoid touching the cleaned surfaces because oil from your hands will recontaminate the sensor. (244 Series Sensor Shown.)

DO NOT USE ABRASIVE MATERIALS such as steel wool or nylon scrubbers, these may harm the electrode surface and could affect the accuracy.

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