Online Conductivity Controller LD-LOCC-A10

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Overview

Online Conductivity Controller LOCC-A10 features 3 points conductivity calibration system, TDS measurement mode, and 4 to 20 mA output signal transmitter. The large and clear back light LCD displays Calibration and setup values, Temperature values, ATC (automatic temperature compensation) values, high and low limit of measurement. This controller measures Conductivity and TDS values in ÂμS/ cm, and mS/ cm units.

Features:

- Equipped with industrial conductivity electrode
- 1 to 3 conductivity calibration points, 1 temperature calibration point
- Selectable temperature units Â°C or Â°F for diff. applications
- System menu allows setting of up to 9 parameters
- Reset features to resumes all setting back to default
- ATC mode for accurate readings over entire range
- Low and high alarm limits set automatically activate an external device
- Manual temperature calibration improves accuracy

Applications:

Used to measure conductivity and TDS values required for quality checking and research purpose across water treatment plants, filtration units, RO treatment plants, Agriculture industry, Aquaculture industry and others.

Specifications:

Load	Max. 500 ?
Power	DC 24 V
Weight	350 g
Display	LCD
Interface	RS485
TDS factor	0.1 to 1.0
TDS accuracy	±1 % F.S.
Cell constant	K= 0.1, 1, 10
Signal output	4 to 200 mA
Dimension (L*W*H)	96 × 96 × 75 mm
Connection terminals	Detachable screw terminals
Temperature accuracy	1°C

Conductivity accuracy	±1 % F.S.
Reference temperature	25°C
TDS measurement range	0 to 10.00, 100.0, 1000 ppm, 10.00, 100 ppt (Max. 200 ppt)
Temperature resolution	0.1°C
Conductivity resolution	0.001/ 0.01/ 0.1/ 1
Environmental conditions	Ambient temperature to ? 60°C, RH ? 80%
Temperature compensation	Automatic, 0 to 100°C , 32 to 212°F
Low and high alarm limits	0.02 uS/ cm to 20.0 mS/ cm, selectable
Temperature measurement range	0 to 100°C, 32 to 212°F
Conductivity measurement range	0.01 to 20.00, 200.0, 2000 µS/ cm, 20.00, 200.0 mS/ cm
Temperature calibration range	Measured value ± 10°C
Temperature calibration points	1 point
Conductivity calibration points	1 to 3 points
Conductivity calibration solutions	84 µS/ cm, 1413 µS/ cm, 12.88 mS/ cm,111.8 mS/ cm