



CON-OL650: Controller, IE-50MT industrial conductivity electrode

ITEM	FEATURES DESCRIPTION
1	1 to 3 points calibration with automatic recognition for conductivity standards.
2	Selectable cell constant, temperature coefficient and TDS conversion factor.
3	Automatic temperature compensation ensures accurate readings over the entire range.
4	Setup menu allows setting the number of calibration points, alarm limits, hysteresis value, 4 to 20mA output, etc.
5	Reset function automatically resumes all settings back to the factory defaults.

MODEL	OPTIONAL CONDUCTIVITY ELECTRODES DESCRIPTION
IE-50LT	Suitable for measuring the pure water (< 10µS/cm).
IE-50MT	Suitable for general purpose applications.
IE-50HT	Suitable for measuring the seawater (> 20mS/cm).

FEATURE	TECHNICAL SPECIFICATION DESCRIPTION	CAPACITY
CONDUCTIVITY	RANGE	0.01-20.00, 200.0, 2000µS/cm, 20.00,
	RESOLUTION	0.001, 0.01, 0.1, 1
	ACCURACY	±1% F.S.
TDS	CALIBRATION POINTS	1 to 3 points (84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm)
	RANGE	0-10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	RESOLUTION	0.01, 0.1, 1
	ACCURACY	±1% F.S.
TEMPERATURE	TDS FACTOR	0.1-1.0 (default 0.5)
	RANGE	0-100°C/32-212° F
	RESOLUTION	0.1°C/0.1°F
	ACCURACY	±1°C/±1.8°F
COMMUNICATION	OFFSET CALIBRATION	1 point, reading ±10°C
	SIGNAL OUTPUT	4-20mA
	LOAD	Max. 500Ω
	LOW OR HIGH ALARM	0.02µS/cm-20.0mS/cm, selectable
	COMMUNICATION INTERFACE	RS485
OTHER SPECIFICATIONS	CONNECTION TERMINALS	Detachable screw terminals
	TEMPERATURE COMPENSATION	0-100°C, automatic
	ENVIROMENTAL CONDITIONS	Ambient temperature <60°C, relative
	POWER REQUIREMENTS	DC24V
	DIMENSIONS	96(L)× 96 (W)×75(H)mm
WEIGHT	350g	

