



Intellical MTC301 Laboratory General Purpose Refillable ORP/RedOx Electrode, 1 m Cable

Product #: MTC30101
AED Price: Contact Hach
Available

Intellical MTC301 is a digital combination oxidation reduction potential (ORP/RedOx) electrode with built-in temperature sensor. The MTC301 has a refillable with a ceramic pin reference junction. The laboratory version of this metallic electrode is shockproof with its epoxy plastic body protecting down to the platinum sensing element. The Electrode is available with a 3 or 1 m cable. The MTC301 electrode is ideal for measuring ORP/RedOx absolute mV values in wastewater, drinking water and aqueous media applications. The MTC101 is not suitable for use with organic solvents. A 59 mL bottle of reference electrolyte filling solution (3M KCl solution saturated with AgCl) is included with the probe.

Provides fast, stable response in a variety of applications

Intellical digital probes lock on the result when the measurement is stable, removing the guesswork in having a moving number.

Ultimate traceability in measurement history

Stored time and date stamp for each measurement, operator and sample ID, calibration history, parameter, and probe serial number

User alerted when re-calibration is needed

No guesswork needed to provide most reliable and accurate results with each measurement.

Can be moved between meters without the need to re-calibrate or re-enter measurement settings

Ideal for a multi-user environment with multiple HQD series Laboratory and Portable meters

Specifications

Accuracy:	±0.02 mV or 0.05%, whichever is greater
Cable length:	1 m
Electrode type:	Refillable Reference Element
Filling solution:	3 M KCl solution saturated with AgCl (#2841700)
Junction:	Porous Pin Junction
Kit?:	No
Length:	175 mm
Measuring range:	±1200 mV
Method Type:	Laboratory: Refillable Reference Element
Parameter:	ORP
Product Kit:	Model: MTC301
	Accessories Included: None
Reference system:	Ag/AgCl
Resolution:	±0.1 mV
Sample depth:	20 mm

Sensor material:	Epoxy
Sensor type :	Platinum disc
Special Features:	Flat disc sensor for easy cleaning.
Temperature accuracy:	±0.3 °C
Temperature range:	0 - 80 °C
Temperature resolution:	0.1 °C
Test requirements:	Parameter Needed: ORP
	Minimum Sample Depth (mm): 20
Thermistor:	#
Warranty:	12 months
Weight:	0.1 kg
What's included?:	Intellical MTC301 Laboratory ORP/RedOx electrode with storage soaker bottle, 1 m cable, 59-mL bottle reference electrolyte filling solution 3M KCl with saturated AgCl solution), Test certificate, and Basic User Manual.

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Required Accessories

- Filling Solution, Reference, 3 M KCl with AgCl, 100 mL (Item S21M004)
- Filling Solution, Reference, 3 M KCl with AgCl, 28 mL (Item 2841700)