



## Intellical MTC101 Field Low Maintenance Gel Filled ORP/RedOx Electrode, 30 m Cable

**Product #:** MTC10130  
**ZAR Price:** Contact Hach  
**Ships within 1 week**

Intellical MTC101 is a digital combination oxidation reduction potential (ORP/RedOx) electrode with built-in temperature sensor. MTC101 has low maintenance needs thanks to a non-refillable gel-filled single open reference junction. This Rugged MTC101 version is built with a stainless steel body ensuring sufficient weight to the probe for an easy outside handling, the Metal Platinum sensing part is protected by a shroud, and the connection is ensured by strong and visible yellow coloured cable onto which you can clip depth markers (optional accessories), making the MTC101 rugged models specially designed for field use. MTC101 Rugged is available with a 5, 10, 15, or 30 meters cable. The MTC101 Rugged is ideal for measuring ORP/RedOx absolute mV values in all types of external environment such as river, surface and ground waters, ponds, lakes, sea, wastewater plant, source water, drinking water reservoir for water quality, environmental and treatment process purposes.

### Intellical Rugged digital probes can reliably test in the harshest environmental conditions

Stainless steel body, polymer sensor shroud, and reinforced, steel-sheathed cables protect the probe for measurement anywhere in the field

### 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

### Intellical rugged digital probes are waterproof up to 30 meters for 24 hours (IP67 rating)

---

## Specifications

Accuracy:	±0.02 mV or 0.05%, whichever is greater
Cable Length:	30 m
Electrode Type:	Rugged
Junction:	Open Junction
Kit?:	No
Length:	223 mm
Method Type:	Field: Non-Refillable Gel Reference Element
Parameter:	ORP
Product Kit:	Model: MTC101
	Accessories Included: None
Range:	±1200 mV
Reference system:	Ag/AgCl

Resolution:	±0.1 mV
Sensor material:	Epoxy / Stainless Steel
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 :	ATC
Warranty:	6 months
Water Resistance:	IP67, waterproof for 24 hours at a depth of 30 meters
Weight:	2.7 kg
What's included?:	Intellical MTC101 Rugged ORP/RedOx electrode with storage cap, 30 m cable, Test certificate, and Basic User Manual.

---

## What's included?

Intellical MTC101 Rugged ORP/RedOx electrode with storage cap, 30 m cable, Test certificate, and Basic User Manual.