



## Intellical PHC101 Field Low Maintenance Gel Filled pH Electrode, 5 m Cable

**Product #:** PHC10105  
**AED Price:** Contact Hach  
**Ships within 1 week**

### Intelligent HQD Intellical Probe

Intellical PHC101 is a digital combination pH electrode with built-in temperature sensor. PHC101 has low maintenance needs thanks to a non-refillable gel-filled single open reference junction. This Rugged PHC101 version is built with a stainless steel body ensuring sufficient weight to the probe for an easy outside handling, the pH 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 PHC101 rugged models specially designed for field use. PHC101 Rugged is available with a 5, 10, 15, or 30 meters cable. The PHC101 Rugged is ideal for measuring pH 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.

#### Intellical digital probes provide ultimate traceability in measurement history

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

#### Intellical digital probes alert the user when re-calibration is needed

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

#### Intellical digital probes 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 (IP67 rating)

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### Specifications

Accuracy:	±0.02 pH
Application:	Clean & Dirty Samples
Cable length:	5 m
Electrode type:	Non-Refillable Gel Reference Element
Junction:	Open Junction
Kit?:	No
Length:	223 mm
Measuring range:	2 - 14 pH
Method Type:	Field: Non-Refillable Gel Reference Element
Parameter:	pH
Product Kit:	Model: PHC101
	Accessories Included: None

Reference system:	Ag/AgCl
Resolution:	0.001/0.01/0.1
Sample depth:	20 mm
Sensor material:	Zeonor/ Stainless Steel
Sensor type :	pH Glass
Sodium (Alkalinity) error:	-0.6 pH at pH 12.6 in 1 M NaOH
Special Features:	Double junction reference
Temperature accuracy:	±0.3 °C
Temperature range:	0 - 50 °C
Temperature resolution:	0.1 °C
Test requirements:	Parameter Needed: pH
	Minimum Sample Depth (mm): 20
Thermistor:	# (ATC)
Warranty:	6 months
Water Resistance:	IP67, waterproof for 24 hours at a depth of 30 meters
Weight:	0.9 kg
What's included?:	Intellical PHC101 Rugged pH electrode with storage cap, 5 m cable, Test certificate, and Basic User Manual.

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