



## Intellical PHC281 Water Quality Laboratory Refillable pH Electrode, 3 m Cable

**Product #:** PHC28103  
**AED Price:** Contact Hach  
**Available**

Intellical PHC281 is a digital combination pH electrode with built-in temperature sensor. The PHC281 is a pH refillable probe made for difficult samples. This laboratory pH electrode is shockproof with its Zeonor plastic body protecting down to the glass bulb sensing element. The electrode is available with a 3 or 1 m cable. The PHC281 refillable pH electrode has a high electrolyte flow rate and a large open junction ideal for difficult samples, such as Low Ionic Strength (LIS), Ultrapure, dirty samples and samples with high solids content. The PHC281 is not suitable for use with organic solvents. A 59-mL bottle of 2.44 M KCl Electrode Filling Solution is included with the probe.

**PHC281 pH Ultra probe is designed for premium performance, even in difficult samples**  
The high electrolyte flow rate and large open junction design provide fast response and stabilization.

**Intellical digital pH probe provides 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 pH probe alerts the user when re-calibration is needed**  
No guesswork needed to provide the most reliable and accurate results with each measurement.

**Intellical digital pH probe 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.

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### Specifications

Accuracy:	±0.02 pH
Application:	Low Ionic Strength & Dirty Samples
Cable length:	3 m
Electrode type:	Refillable Reference Element
Filling solution:	2.44 M KCl solution (#2965026)
Junction:	Open Junction
Kit?:	No
Length:	175 mm
Measuring range:	0 - 14 pH
Method Type:	Field: Refillable Reference Element
Parameter:	pH
Product Kit:	Model: PHC281
	Accessories Included: None
Reference system:	Ag/AgCl
Resolution:	0.001/0.01/0.1
Sample depth:	15 mm

Sensor material:	Zeonor
Sensor type :	pH Glass
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): 15
Thermistor:	# (ATC)
Warranty:	12 months
Weight:	0.15 kg
What's included?:	Intellical Laboratory PHC281 pH electrode with storage soaker bottle, 3 m cable, 59-mL bottle reference electrolyte filling solution (2.44 M KCl solution), Test certificate, and Basic User Manual.

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## Required Accessories

- Filling Solution, Reference, 2.44 M KCl, 59 mL (Item 2965026)