



IntelliCAL PHC74501 RED ROD pH Electrode for Challenging Samples

Product #: PHC74501

High-performance Red Rod technology now available for the digital HQD platform

IntelliCAL PHC745 is a digital, combination glass-body probe with a refillable KCl reference and built-in temperature sensor. The PHC745 utilizes Red Rod technology to deliver exceptionally fast response times and stable, accurate measurements. It has a sleeve type junction and is ideal for measuring pH in a variety of “challenging” applications, including wastewater influent and other solutions prone to clogging traditional junctions.

Red Rod technology provides fast, accurate and reproducible measurements

Symmetry between internal and external Red Rod reference elements ensures that the iso pH is the same as the zero pH, providing highly reproducible results and a fast, accurate response, even in samples with fluctuating temperatures. Red Rod technology also provides a stable signal by protecting the reference elements from light interference, and the saturated KCl salt-bridge aids in creating a stable liquid junction potential.

Red Rod reliability when measuring challenging samples over wider temperature ranges

Red Rod encapsulation of reference elements means no silver ions and less risk of clogged junctions. It also enables accurate measurements over a broader temperature range than standard electrodes.

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™ 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.

Wide temperature range up to 100 °C

Specifications

Accuracy:	±0.01 pH
Cable Length:	1 m
Connector:	HQD specific
Diameter:	12 mm
Dimensions (D x L):	12 mm x 200 mm
Filling Solution:	Sat KCl
Junction:	Sleeve
Length:	200 mm
Material:	Sensor Body: Glass
Operating Temperature Range:	-10 to 100 °C
Parameter:	pH
Probe Type:	Standard
Reference Type:	Red Rod
Sensor Type:	Glass

Water Resistance:

IP65