



IntelliCAL PHC705A RED ROD High-Alkalinity pH Electrode

Product #: PHC705A01

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

IntelliCAL PHC705A is a digital, combination glass-body probe with a refillable KCl reference and built-in temperature sensor. The PHC705A utilizes Red Rod technology to deliver exceptionally fast response times and stable, accurate measurements. It has a porous pin junction and is ideal for measurements in alkaline samples.

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
Filling Solution:	Sat. KCl
Junction:	Porous Pin
Material:	Sensor Body: Glass
Operating Temperature Range:	0 to 100 °C
Parameter:	pH
Probe Type:	Standard
Reference Type:	Red Rod
Sensor Type:	Glass
Special Feature:	High-alkalinity samples
Temperature Range:	0 to 100 °C

Water Resistance:

IP65