Intellical Probes



Choose from a broad selection of Intellical probes to meet your most demanding laboratory and field applications, for parameters such as pH, Dissolved Oxygen (DO), Conductivity, Total Dissolved Solids (TDS), Ammonia, Ammonium, Chloride, Fluoride, Nitrate, Sodium, Biochemical Oxygen Demand (BOD) and RedOx (ORP).

All Intellical probes are automatically recognised by HQ/HQD meters and maintain calibration data on the probe itself— eliminating the need of recalibration when switching probes between meters.

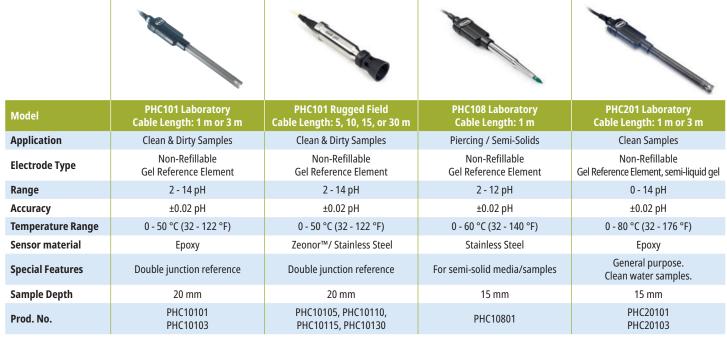
Probes for Every Application

- For high-volume labs or applications where performance is critical, Intellical Red Rod pH probes offer exceptional performance and response time across a wide variety of sample types in the laboratory.
- Standard lab probes and rugged field probes are available to measure a wide variety of parameters and are extremely practical for on-site analysis. Thanks to the digital technology, they can be used with cables up to 30 metres long.
- The LBOD probe utilises optical technology to provide fast, accurate DO measurements while dramatically reducing maintenance costs.

Key Features:

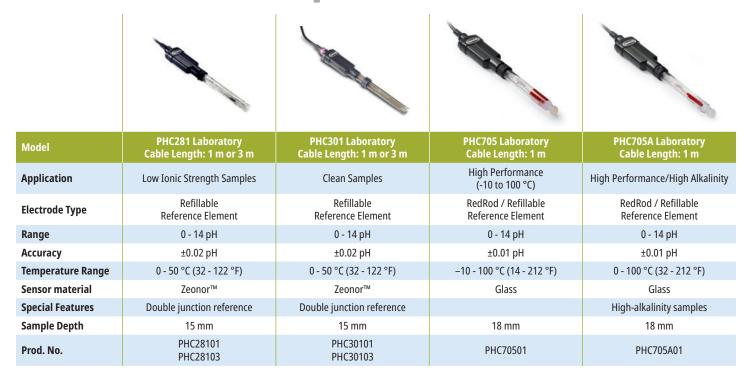
- · Designed for water & industrial QC testing.
- Smart sensors embedding calibration data and history.
- Complete portfolio for Laboratory and field use.

Intellical Probes - pH





Intellical Probes - pH



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Model	PHC725 Laboratory Cable Length: 1 m	PHC729 Laboratory Cable Length: 1 m	PHC735 Laboratory Cable Length: 1 m	PHC745 Laboratory Cable Length: 1 m	PHC805 Laboratory Cable Length: 1 m
Application	Low Ionic Strength & Dirty Samples - Annular Ring	Surface Measurement	Very Dirty Samples	Extremely Dirty Samples	High Performance (0 to 80 °C)
Electrode Type	RedRod / Refillable Reference Element	RedRod / Refillable Reference Element	RedRod / Refillable Reference Element / High Flow	RedRod / Refillable Reference Element / High Flow	RedRod / Refillable Reference Element
Range	0 - 14 pH	0 - 12 pH	0 - 14 pH	0 - 14 pH	0 - 14 pH
Accuracy	±0.01 pH	±0.01 pH	±0.01 pH	±0.01 pH	±0.02 pH
Temperature Range	–10 - 100 °C (14 - 212 °F)	–10 - 100 °C (14 - 212 °F)	–10 - 100 °C (14 - 212 °F)	–10 - 100 °C (14 - 212 °F)	0 - 80 °C (32 - 176 °F)
Sensor material	Glass	Glass	Glass	Glass	Glass
Special Features	Low Ionic Strength Media	Surface Measurements	Dirty Media	Clogging Media	
Sample Depth	14 mm	1 mm	14 mm	18 mm	18 mm
Prod. No.	PHC72501 PHC72501AP*	PHC72901 PHC72901AP*	PHC73501 PHC73501AP*	PHC74501 PHC74501AP*	PHC80501 PHC80501AP*

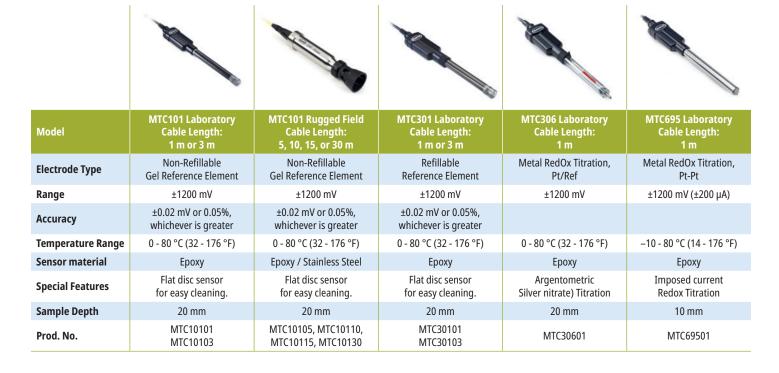
*AP=Application Package, includes probe and reagents

Learn More





Intellical Probes - ORP



Intellical Probes - ISE



*AP=Application Package, includes probe and reagents



Intellical Probes - Conductivity and Oxygen (LDO)

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Model	CDC401 Laboratory Cable Length: 1 m or 3 m	CDC401 Rugged Field Cable Length: 5, 10, 15, or 30 m	LDO101 Laboratory Cable Length: 1 m or 3 m	LDO101 Rugged Field Cable Length: 5, 10, 15, or 30 m	LBOD101 Laboratory Cable Length: 1 m
Parameter	Conductivity	Conductivity	Dissolved Oxygen	Dissolved Oxygen	BOD
Electrode Type	Conductivity Cell; 4 Poles - Graphite	Conductivity Cell; 4 Poles - Graphite	Luminescent Dissolved Oxygen	Luminescent Dissolved Oxygen	Luminescent Dissolved Oxygen
Range	Conductivity: 0.0 μS/cm - 200 mS/cm TDS: 0.00 mg/L - 50.0 g/L as NaCl Salinity: 0 - 42 ppt or ‰ Resistivity: 2.5 Ωcm - 49 ΜΩcm	Conductivity: 0.0 μS/cm - 200 mS/cm TDS: 0.00 mg/L - 50.0 g/L as NaCl Salinity: 0 - 42 ppt or ‰ Resistivity: 2.5 Ωcm - 49 ΜΩcm	0.05 - 20.0 mg/L 1 - 200% saturation	0.05 - 20.0 mg/L 1 - 200% saturation	0.05 - 20.0 mg/L 1 - 200% saturation
Accuracy	Cond: ±0.5% of reading TDS: ±0.5% ±1 digit Salinity: ±0.1, ±1 digit	Cond: ±0.5% of reading TDS: ±0.5% ±1 digit Salinity: ±0.1, ±1 digit	±0.1 mg/L from 0 to 8 mg/L ±0.2 mg/L for greater than 8 mg/L	±0.1 mg/L from 0 to 8 mg/L ±0.2 mg/L for greater than 8 mg/L	±0.05 mg/L from 0 to 10 mg/L ±0.1 mg/L for greater than 10 mg/L
Temperature Range	-10 - 110 °C (14 - 230 °F)	-10 - 110 °C (14 - 230 °F)	0 - 50 °C (32 - 122 °F)	0 - 50 °C (32 - 122 °F)	0 - 50 °C (32 - 122 °F)
Sensor material	Noryl	Noryl / Stainless Steel	Polycarbonate / ABS	Polycarbonate / ABS / Stainless Steel	Polycarbonate / ABS
Special Features					Integrated stirring system.
Sample Depth	45 mm	45 mm	10 mm	10 mm	10 mm
Prod. No.	CDC40101 CDC40103	CDC40105, CDC40110, CDC40115, CDC40130	LDO10101 LDO10103	LDO10105, LDO10110, LDO10115, LDO10130	LBOD10101

Intellical Accessories

SM5010 SM5011 SM5012	Beaker for Electrode/Sensor Calibration, colourless, 30 mL, pk/80 Beaker for pH Electrode Calibration, Red, 30 mL, pk/80 Beaker for pH Electrode Calibration, Yellow, 30 mL, pk/80		Taking reading at specific depths with rugged probes is a snap with these Depth Markers. Visually identify the depth of your probe by attaching Depth Marker securely on cable at points to meet your needs Five Depth Markers per package.	
SM5013 SM5014	Beaker for pH Electrode Calibration, Blue, 30 mL, pk/80 Beaker for pH Electrode Calibration, Green, 30 mL, pk/80	5811200	NOTE: For use with rugged probes only. Intellical Sensor Cap Replacement for LDO Sensor	
8508850 5818400	Universal Probe Stand for Standard Intellical Probes Clip a color-coded band to each end of your probe cable for	5838000 5812711	Intellical Sensor Cap Replacement for LBOD101 Sensor Intellical Replacement Membrane Modules for Ammonia ISE, 3 pcs	
	identification. Ten clips of five different colors per package. NOTE: One package of clips included with each probe.			
5825900	Includes protective bell and locking ring. The rugged shroud absorbs the impact from rough wear and tear. NOTE: probe not included.			

