

CROSS SMART SENSOR

PH7: SMART pH SENSOR

Digital technology for optimized measures



The **pH Sensor** is connected directly via RS485 communication interface, providing simple, reliable, cost-saving process data with remote monitoring, calibration, configuration and diagnostics capabilities.

The pH Meter housing in a robust IP68 proof enclosure, 1500 N tensile strength Kelvar reinforced cable, up to 1.2 km digital data transmission, the transmitter is ideally used in water/wastewater industry.

Features and Benefits

- Robust IP68 Water Submersible Enclosure, Solution Without Cabinet
- 1 sec On-line Realtime Measurement
- 0.05 W Ultra Low Power Consumption, Ideal for Outdoor Applications
- Temperature Compensation
- High Reliability, Drift Free
- Lightning and Surge Protection for Power and RS485 Communication
- 1.2 Km RS485 Digital Communication, Minimize Cabling and Engineering Cost
- Software Configuration Calibration and Data Monitoring
- Standard Modbus RTU Protocol, Direct Connected with PLC, HMI, Eliminate I/O Module Cost
- Fully compatible to 4 types of GDCs with complete support of displaying, data logging and control.

DELTA-PHASE ELECTRONICS, INC.

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SPECIFICATIONS	
Range	0 to 14 pH
Accuracy	±0.02pH
Resolution	0.01pH
Repeatability	±0.02pH
Operate Pressure	Max. 10 bar
Operate Temp.	32 °F to 185 °F (0 to 85°C)
Process Flowrate	0.1 L/min
Response Time	T90 approx. 1 s
Temp. Compensation	Pt100, 0 to 85°C Auto compensation
Temp. Accuracy	±0.5 °C
Protection	IP68
Material	Glass Sensor, Housing POM
Power Supply	12VDC by GDC
Weight	Approx. 150g(POM), Cable 80 g/m
Dimensions	1.57" O.D. and 14.17" Length (O.D. 40mm × 360 mm)

ORDER CODE

PH7: Smart pH Sensor	
	<ul style="list-style-type: none"> -C10 10' (3 m) cable -C20 20' (6 m) cable -C30 30' (9 m) cable Other length contact factory.
PH7	-C30

TERMINALS

<p>GDC-01/02 Terminal Single or dual-channels</p> 	<p>GDC-04/06/08 Controller Multi-channels up to eight</p> 	<p>GDC-Ex Terminal Single channel Ex-proof</p> 
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