

CRAIG OCEAN SYSTEMS, INC.
Catalog & pricing for the MCU500 and components

ITEM

PART NUMBER

pH, ORP and Ion selective PROBES

pH Probes :



Omega, PHE - 1411.

A high quality, semi-rugged gel filled, double junction probe. Probe body is fiberglass, with 3 foot lead, BNC connector. Standard glass bulb, shielded by probe body. Works well with careful handling. Other probes: PHE - 4202.

098-OM PHE-1411

OakTon pH Probes:



A high quality, semi-rugged gel filled, double junction probe. Probe body is fiberglass, with 10 foot lead, BNC connector. Standard glass bulb, shielded by probe body.

098-RL35816-17

ORP Probes (oxidation reduction potential):

Omega, ORE - 1411 (not shown). An excellent, low cost probe. Fiberglass body provides protection for probe tip. 98-OM- ORE1411

Omega, ORE-1411- ACRYL-CJ (not shown), for use in high ORP Solutions.

98-OM-ORE1411-ARCL

- Please note that the MCU500 supports an extremely wide variety of sensors. We have included a short list of some of the more common probes above. Please call us for additional information .
- It has been our policy to purchase customer required sensors at the best price we can and pass this on to the customer with only a small markup to cover our handling cost. We will be happy to provide sources for you to purchase the sensors direct from the vendors, if you wish.
- A note on pH and ORP gel filled probes: All pH and ORP probes should be considered “disposable”. They have a useful lifetime of approximately 1 to 1.5 years, due to depletion of the internal electrolyte. Where the pH is considerably higher or lower than 7, the lifetime will be shorter. Please refer to the application note AN1002 - "On the care and feeding of pH probes" for additional information.

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DO (DISSOLVED OXYGEN):



The Sensorex line of Industrial Dissolved Oxygen probes are fast response galvanic sensors. They do not require polarization. They have a large reservoir of electrolyte and are available with either mV or 4-20mA outputs.

Key features include: Large volume electrolyte reservoir for long term continuous deployments. Sensors are available with either a durable teflon membrane, or a wide span HDPE membrane. All models are available

with an optional integral temperature compensation sensor. Calibration is easy, requiring only a single point air calibration.

Sensorex, DO Probe



A rugged, galvanic type probe with easily changeable membranes. This probe is designed to go into a 3/4 inch NPT fitting, such as is on the COS sensor platform. Comes with a 10 foot cable, BNC connector.

These are wide range probes, yielding reliable measurements in the range between 0-200 pct saturation.

Dryden oxygen probe :



The Dryden oxygen probe is a very high performance and extremely robust oxygen probe manufactured by Dryden Aqua for the measurement of oxygen in water and air. The probe provides for a low cost, easy maintenance sensor suitable for connection to Dryden Aqua monitors, or your own instrumentation.

The probe has a high mv out-put for PLC based controllers, the high out-put increases accuracy and reduces electrical noise problems. The unique shape provides a stream-lined approach and minimizes water turbulence.

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Ocean Optix Fiber Optic Oxygen Sensors

Fiber Optic Oxygen Sensors are spectrometer-coupled chemical sensors for full spectral analysis of dissolved and gaseous oxygen pressure.

They are limited to 0-100 pct saturation, but provide very long term stability and maintenance free operation. Special order option.

Conductivity Probes

098-EW-19504-02



- In-line or submersible installation
- CPVC and PVDF models available
- Built in 100 Ω Pt RTD temperature compensation

The electrodeless conductivity sensor is coupled with a two-wire, loop-powered 4 to 20 mA transmitter. The sensor requires an 11 to 24 VDC power supply and has a maximum draw of 600 ohms. If 11 to 24 VDC power is not already available, order process meter 94785-12 to power and display the sensor measurements, or refer to our process meter section for other models.

The isolated 4 to 20 mA output can be used for control applications, connected to a recorder, or an alarm. The sensor has a temperature coefficient of 0.3%/degC, and measures 8"L x 1-1/2" diameter with 4-1/2" insertion depth. Sensor comes with a 10-ft cable with tinned ends.

Use this with the 4-20 mA line amplifier, 200-30050.