

CRAIG OCEAN SYSTEMS, INC.

Catalog & pricing for the MCU500 and components

ITEM

PART NUMBER

Line Amplifiers / Signal Conditioners:

COS, dual channel, signal conditioning line amplifier.

200-30015

Channel 1 is a high gain, ultra high impedance optically isolated input for use with pH, DO, ORP and ION selective probes.

A second channel (non-isolated) is provided for interface to temperature probes, etc. The Line Amplifier provides a precision regulated signal excitation source (0-5 VDC, for excitation of temperature sensors).

Both channels are fitted with gain and offset adjustments to interface with a wide variety of probes. Please specify probe type when ordering.



COS Frequency converter, with 3 1/2 digit LCD display and gain and offset adjustments.

Special Order



This signal conditioner is specifically designed for use with the RFO2500 series flowmeters from IMO (GEMS sensor division), but may be used with any sensor with a pulse output. Provides local readout of flow rates at the valve, and an analog output to the MCU for data logging, computation of mass flows, etc.. Includes a second channel for other sensors (temp probe, etc.), and precision regulated, adjustable excitation source available for sensor excitation (0-5 VDC). Analog output interfaces directly to MCU500.

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EXTECH Interface module. This general purpose interface provides both a full differential input, as well as gain and offset adjustment capability. Used with the EXTECH light meter, it accepts the 0-200 mV offset input signal, and provides a 0-5 VDC output, compatible with the MCU standard analog input. It also provides a regulated 9 VDC output to eliminate the battery of the Light meter. Can be used with other instruments as well.

200-30050

COS, single channel, non-isolated signal conditioning line amplifier

200-127141



This is a single channel (non-isolated) amplifier, designed to interface to temperature probes, etc. The Line Amplifier provides a precision regulated signal excitation source (5 VDC, for excitation of thermistor temperature sensors).

Gain and offset adjustments are also provided.

COS, 4-20 mA line amplifier

200-30050



These line amplifiers are designed to interface with 4-20 mA sensors (such as the Conductivity probe). They provide the loop power for the sensor, and convert the sensor output to a standard 0-5VDC signal for direct input to the MCU. These are typically located in the Expander box. DIN rail mounting available.