

OM-CP-PHONEPROCESS Modem Based 4 to 20 mA Data Logger Part of the NOMAD® Family

\$599

Basic Unit

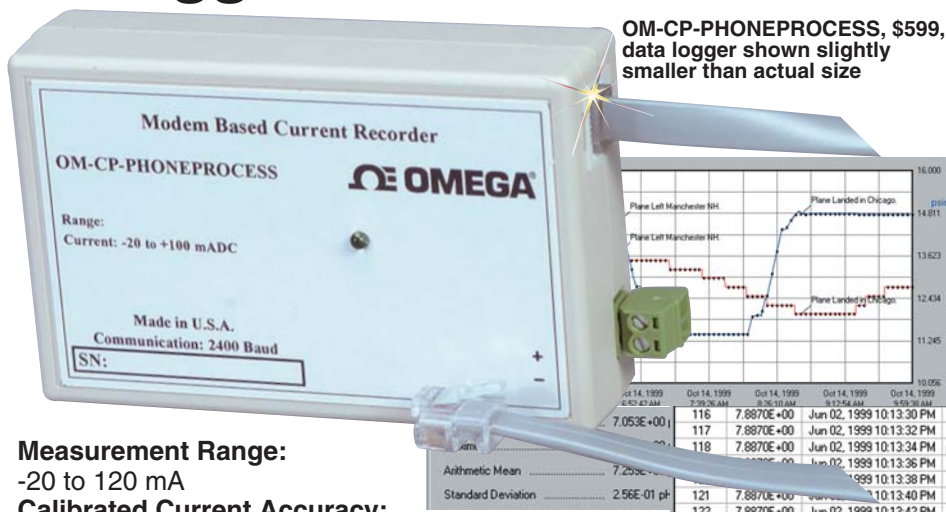


- 16-Bit Resolution
- Programmable Engineering Units, Scale Factor and Offset Value
- Built-in Modem
- User Calibration Through Software
- Real Time Operation

The OM-CP-PHONEPROCESS is a modem based low cost, high resolution, battery powered, stand-alone data logger used for automatically recording current between -20 and 120 mA. The OM-CP-PHONEPROCESS uses a 16-bit ADC to achieve a resolution of 0.01 mA. In addition, the OM-CP-PHONEPROCESS allows the user to store user defined units into the device as well as scale factors and offset values. This enables the user to easily linearize and scale any process meter that provides an analog output to process units automatically. This all-in-one compact, portable, easy to use device will measure and record up to 32,768 current measurements. The OM-CP-PHONEPROCESS is a major leap forward in both size and performance. Its real time clock ensures that all data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple. The device has a built in modem and may be easily accessed and is fully programmable from any PC using our software. Simply enter the phone number that the OM-CP-PHONEPROCESS is connected to and our software will automatically do the rest. The software converts your PC into a real time strip chart recorder. Data can be printed in graphical or tabular format and can be exported to a text or Microsoft Excel file.

Specifications

Specified Accuracy Range:
0 to 100 mA



Measurement Range:

-20 to 120 mA

Calibrated Current Accuracy:

±0.1% of FSR (full scale range = 0 to 100 mA)

Current Resolution: 10µA

Memory: 32,768 readings

Input Connection: removable screw terminal

Input Impedance: 10Ω

ADC Resolution: 16-bits

Current Calibration: Digital calibration is available in software

Calibration Date: Automatically recorded within device to alert user when calibration is required

Recording Interval: 2 seconds to 12 hours selectable in software

Start Time: Start time and date are programmable through software

Memory Wrap Around:

Selectable in software

Real Time Recording:

Device may be used with PC to monitor and record data in real time

Time Accuracy: ±1 minute per month at 20°C

OM-CP-IFC110, \$99, Windows software displays data in graphical or tabular format

Power: 9 V alkaline battery included

Battery Life: 1 year typical

Time Accuracy: ±1 minute per month at 20°C

Computer Interface: PC serial, RS-232C COM or USB (interface cable required)

Data Format: Date and time stamped, µA, mA, A and other engineering units programmable through software

Phone Interface: RJ11 jack (integral 2400 baud modem)

Software: WIN95/98/NT/2000/XP

Operating Environment:

-40 to 80°C (-40 to 176°F)

5 to 95% RH non-condensing

Dimensions:

61 H x 95 W x 26 mm D

(2.4 x 3.8 x 1.0")

Weight: 113 g (4 oz)

Material: ABS plastic

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-PHONEPROCESS	\$599	Modem based 4 to 20 mA data logger
OM-CP-PHONEPROCESS-CERT	659	Modem based 4 to 20 mA data logger with NIST calibration certificate
OM-CP-IFC110	99	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC200	119	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT103	20	Replacement 9 V alkaline battery

Operator's manual, battery and RS-232 cable are included with the OM-CP-IFC110 Windows software (software is required to operate the data logger and is sold separately).

Ordering Example: OM-CP-PHONEPROCESS-CERT 4 to 20 mA current data logger with NIST calibration certificate and OM-CP-IFC110 Windows software and RS-232 cable, \$659 + 99 = \$758.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters