

OM-CP-PROCESS101 and OM-CP-PROCESS110

Process Current Data Loggers Part of the NOMAD® Family



OM-CP-PROCESS110-25MA, £200, data logger shown larger than actual size

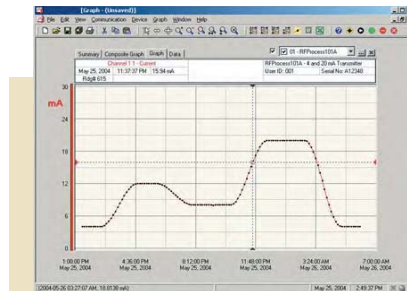


OM-CP-PROCESS101, £133 data logger shown larger than actual size

£133
Basic Unit

- 16-Bit Resolution
- Programmable Scale Factor, Engineering Units and Offset Value
- Memory Wrap Around
- Miniature Size
- User Calibration Through Software
- Real Time Operation

The OM-CP-PROCESS101 and OM-CP-PROCESS110 are low cost, high resolution, miniature battery powered, stand-alone data loggers used for automatically recording current. In addition, these data loggers allow the user to store user defined units such as pressure into the device as well as scale factors and offset values. This enables the user to easily linearise and scale any process meter that provides an analogue output to engineering units automatically. This all-in-one compact, portable, easy-to-use device will measure and record up to 32,768 current measurements.



OM-CP-IFC110, £66, Windows software displays data in graphical or tabular format.

Time	Current	Units	Amperes
0:00	0.00	mA	0.00
0:01	0.00	mA	0.00
0:02	0.00	mA	0.00
0:03	0.00	mA	0.00
0:04	0.00	mA	0.00
0:05	0.00	mA	0.00
0:06	0.00	mA	0.00
0:07	0.00	mA	0.00
0:08	0.00	mA	0.00
0:09	0.00	mA	0.00
0:10	0.00	mA	0.00
0:11	0.00	mA	0.00
0:12	0.00	mA	0.00
0:13	0.00	mA	0.00
0:14	0.00	mA	0.00
0:15	0.00	mA	0.00
0:16	0.00	mA	0.00
0:17	0.00	mA	0.00
0:18	0.00	mA	0.00
0:19	0.00	mA	0.00
0:20	0.00	mA	0.00

Statistics	
Minimum	4 mA
Maximum	20.01 mA
Average	10.9327 mA
Standard Deviation	5.40783 mA

These data loggers are 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. Plug it into an empty COM port and our easy to use software does 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

- Input Connection:** Screw terminal
- ADC Resolution:** 16-bits
- Current Calibration:** Digital calibration is available in software
- Recording Interval:** 1 second to 12 hours selectable in software
- Real Time Recording:** Device may be used with PC to monitor and record data in real time
- Red Visual Indicator:** LED flashes at selected reading rate



OM-CP-PROCESS101, £133, data logger shown larger than actual size



OM-CP-PROCESS110-1MA, £133 data logger shown larger than actual size

Power:

3.6 V lithium battery included

Battery Life:

OM-CP-PROCESS101:

1 year at 1 min reading rate

OM-CP-PROCESS110:

10 years at 15 min reading rate

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

Data Format: Date and time stamped, volts, other engineering units programmable through software

Weight:

OM-CP-PROCESS101:

30 g (1 oz)

OM-CP-PROCESS110:

60 g (2 oz)

Computer Interface:

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

Software: Windows

95/98/NT/2000/XP

Communications:

OM-CP-PROCESS101: 2400 baud

OM-CP-PROCESS110: 57600 baud

Operating Environment:

-40 to 80°C (-40 to 176°F)

0 to 95% RH non-condensing

Dimensions:

OM-CP-PROCESS101:

35 H x 64 W x 15 mm D (1.4 x 2.5 x 0.6")

OM-CP-PROCESS110:

41 H x 58 W x 20 mm D (1.6 x 2.3 x 0.8")

INPUT RANGES	OM-CP-PROCESS101	OM-CP-PROCESS110-1MA	OM-CP-PROCESS110-25MA	OM-CP-PROCESS110-100MA
Nominal Input Range	0 to 100 mA	±1 mA	±25 mA	±100 mA
Measurement Range	-20 to 120 mA	±1.25 mA	±30mA	±120 mA
Resolution	10 µA	0.05 µA	1 µA	5 µA
Accuracy	±0.1% FSR	±0.5% FSR	±0.1% FSR	±0.1% FSR
Input Impedance	10 Ω	50 Ω	10 Ω	2 Ω
Overload Protection	±125 mA	±20 mA	±100 mA	±125 mA

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-PROCESS101	£133	Process input data logger, 0 to 100 mA input range
OM-CP-PROCESS110-25MA	200	Process input data logger, ±25 mA input range, extended battery life
OM-CP-PROCESS110-1MA	200	Process input data logger, ±1 mA input range, extended battery life
OM-CP-PROCESS110-100MA	200	Process input data logger, ±100 mA input range, extended battery life
OM-CP-IFC110	66	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC200	80	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT105	8	Replacement 3.6 V lithium battery
CAL-3-HH	50	Traceable calibration certificate with test results
OM-CP-CONNECTOR-2	3	Replacement 2 position terminal block connector for the OM-CP-PROCESS101
OM-CP-CONNECTOR-3	4	Replacement 3 position terminal block connector for the OM-CP-PROCESS110-1MA, OM-CP-PROCESS110-25MA and OM-CP-PROCESS110-100MA

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-PROCESS101 4 to 20 mA current data logger and OM-CP-IFC200 Windows software and USB cable, £133 + 66 = £199



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