

NEW

**readout units
& dataloggers**



PORTABLE DATALOGGERS

Galileo, Leonardo and New Leonardo are durable, water resistant easy-to-use portable dataloggers. They are equipped with high performance microprocessor, Ni-MH batteries and color graphic display.

New Leonardo datalogger is capable of reading all types of Sisgeo's sensors; Galileo is designed for use with vibrating wire instruments. Multiple-readings through multiplexer box and switch panel are supported.

Readings are stored in a 2GB memory and the saved data can be easily transmitted to a host PC through USB cable. Portable dataloggers could be equipped with bluetooth built-in module in order to sent data to the office in real time through smart phone.

SMART Manager Suite permits to manage dataloggers directly from PC or notebook; moreover SW and FW update will be done automatically.

**Easy to use
interactive menu**

**Data set and
configuration easily
transferred on your
computer**

**Large graphic LCD
backlight display
sunlight reliable**

**Automatic sensor power
supply set**

**Smart Manager Suite
permits direct datalogger
setting from PC**



PORTABLE DATALOGGERS

ACCESSORIES AND SPARES PARTS



OECAV07V2000 Jumper cable for switching measuring box



OECAVUSB1100 USB cable for Readout-PC link (spare)



OECA12VNMB Battery charger 100-240V AC / 12V DC with protections (spare)



OECAV7P6A000 Jumper cable with 7 alligator clips (spare)



**OCDL012EXBP
OECAV10MUX0** 12 V power supply and jumper cable kit for connection to multiplexer box.



OCDLOBAG927 Shoulder bag for portable datalogger (spare)

TECHNICAL SPECIFICATIONS

	NEW LEONARDO DATALOGGER (Product code OCDL400N0000)	GALILEO DATALOGGER (Product code OCDL100VW00)
Channels	2 (two)	2 (two)
A/D converter	2x24 bit with autocalibration	2x24 bit with autocalibration
Digital display	TFT graphic backlight LCD 320 x 240 pixel, 5.7", sunlight reliable	TFT graphic backlight LCD 320 x 240 pixel, 5.7", sunlight reliable
Type of measure	mA, mV, V, mV/V, Hz, μ sec, digit, μ ϵ , $^{\circ}$ C (PT-100 and thermistors)	Hz, μ sec, digit, μ ϵ , $^{\circ}$ C (thermistors)
Measuring range	4-20 mA, \pm 10 mV, \pm 400 mV, \pm 5 V, 1000 Ohm (PT-100) 10000 Ohm (thermistors), from 400 to 6000 Hz	10000 Ohm (thermistors) from 400 to 6000 Hz
Measurement resolution	1 μ A at FS 20 mA, 1 μ V at FS \pm 10 mV 10 μ V at FS \pm 400 mV, 10 μ V at FS \pm 400 mV 100 μ V at FS \pm 5 V, 0.001 mV/V at FS 10 mV/V 0.1 $^{\circ}$ C at FS 1000 Ohm, 0.1 $^{\circ}$ C at FS 10000 Ohm 0.1 Hz at FS 400-6000 Hz	0.1 $^{\circ}$ C at FS 10000 Ohm 0.1 Hz at FS 400-6000 Hz
Measurement accuracy	0.01% FS	0.01% FS
Thermal drift	0.001% FS / $^{\circ}$ C	0.001% FS / $^{\circ}$ C
Internal battery	12 V dc, 4500 Ah Ni-MH, with protections	12 V dc, 4500 Ah Ni-MH, with protections
Operating time	8 hours (always power-on)	8 hours (always in power-on)
Battery charger	fast charge (2.5h), 100-240 Vac, 50-60 Hz, 35W	fast charge (2.5h), 100-240 Vac, 50-60 Hz, 35W
Sensor supply	Fully automated power supply selection	Fully automated power supply selection
Maximum sensor output current	190 mA	100 mA
Input impedance	> 10 Mohm for voltage <2.5V > 1 Mohm for voltage >2.5V	-
Temperature range	-20 $^{\circ}$ C +60 $^{\circ}$ C	-20 $^{\circ}$ C +60 $^{\circ}$ C
Storage memory	2 GB*	2 GB*
COMM port	USB 2.0, Bluetooth optional (OCDLOBTOOTH)	USB 2.0, Bluetooth optional (OCDLOBTOOTH)
Enclosure	ABS, IP67	ABS, IP67
Dimensions and weight	200 x 280 x 65 mm, 2 kg	200 x 280 x 65 mm, 2 kg

* Readings are stored in a large memory and the stored data can be fast and easily transmitted to a host PC by USB cable.

The storage memory of dataloggers works like an Hard Disk: data are organized in "site"; in each site there are the installed instruments and for each instrument Customer can store and download data, sorted by date and time.

CE electromagnetic compatibility according to EN 61326-1 and 1995/5/CE directives for EMC emission and immunity. Standard safety according to EN 61010-1, environment according to EN 60529:1991 + A1:2000



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We reserve the right to change our products and specifications without prior notice.

