

CRD

# — CRD 400 DIGITAL READER

READOUT UNITS  
AND DATALOGGERS





## CRD - 400 DIGITAL READER

CRD-400 is a new generation multipurpose readout designed to take readings of all instruments including vibrating wire.

CRD-400 permits readings in both electrical and engineering units. Battery level, readout temperature and date are always displayed.

CRD-400 comes with shoulder/belt bag, battery charger, sensor cable with 6 alligator clips and CD-ROM with user manual.

### FEATURES

- Compatible with all sensors
- Large coloured display
- Accurate and precise measurements
- Splash-proof hand-held case
- Powered by Ni-MH rechargeable batteries

### BENEFITS

- Easy to use
- Lightweight and portable
- Right and left hand users
- Auto shutdown
- Sunlight reliable display
- Reads both electrical and engineering units

**CE** *Meet the essential requirements of the EMC Directive 2004/108/EC and low voltage Directive 2006/95/EC*

## TECHNICAL SPECIFICATIONS

Type of measurements	mA - mV - V - mV/V - °C - Hz - µsec - digit - µε
A/D converter	24-bit Sigma-Delta ADC (22 true bit)
Measuring range	0-20mA - ±20mV - ±1V - ±10V - ±10mV/V - PT100 (from -150 to +150°C) NTC (from -30 to +150°C) - from 400 to 6000Hz
Measuring resolution	1µA with FS 20mA - 1µV with FS ±20mV - 10µV with FS ±1V - 100µV with FS ±10V 0.001mV/V with FS 10mV/V - 0.1°C with FS 1000Ω (PT100) - 0.1°C with FS 10000Ω (NTC) 0.1 Hz with FS from 400 to 6000Hz
Accuracy	0.01% FS (0.1% FS for PT100 and NTC)
Temperature drift	0.001 % FS / °C
Rechargeable battery	4 x AA, NiMH, 2450 mAh
Operating time	min. 6h (constant use, maximum backlight, 2450 mAh batteries, at 25 °C)
Battery charger	Programmable charger, IP41, input voltage: 100-240 V AC, 50-60 Hz, 1.3A
Display	Amorphous silicon TFT LCD panel with LED backlight unit, 320 x 240, 3.5", sunlight reliability
<b>ENVIROMENTAL CONDITIONS</b>	
Operating temperature	from -20°C to +60°C
Storage temperature	from -30°C to +70°C
<b>PHYSICAL CHARACTERISTICS</b>	
Weight	0.5 Kg
Dimensions (L x W x H)	100 x 230 x 45 mm
Protection Degree	IP67
Material	ABS
Connectors	1 x instrument, 1 x battery charger
<b>CERTIFICATIONS</b>	
Eletromagnetic compatibility	EN 61326-1 (2006)
Safety requirements	EN 61010-1 (2001)

We reserve the right to change our product without prior notice.

## ITEMS INCLUDED

### TRAVEL BAG

Splashproof shoulder/belt carrying bag.



### BATTERY CHARGER OECABCRD400

100-240V AC/12V DC battery charger



### SENSOR CABLE OECAV8P6A00

Jumper cable with 6 alligator clips



### CD - ROM

User manual



## ACCESSORIES

### JUMPER CABLE OECAV08V2J0

Jumper cable with 2 connectors

### SWITCH BOX CABLE OECAV08V2S0

Jumper cable for switch measuring box



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### SISGEO S.R.L.

VIA F. SERPERO 4/F1  
20060 MASATE (MI) ITALY  
PHONE +39 02 95764130  
FAX +39 02 95762011  
INFO@SISGEO.COM

### ADDITIONAL SUPPORT

SISGEO offers on-line assistance service to the Customers in order to maximize the performance of the system and training on the correct use of the instrument/readout.

For more information contact mail: [assistance@sisgeo.com](mailto:assistance@sisgeo.com)