CRD

CRD 400
READOUT

READOUT UNITS
AND DATALOGGERS

SISGEO

CRD400_EN_05_12/2025

CRD-400
READOUT

CRD-400 is a multipurpose readout designed to take readings of all analogue 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 USB flash drive with user manual.

FEATURES

- Compatible with all SISGEO analog 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
- Reads both electrical and engineering units

CE *Meet the essential requirements of EMC directive 2014/30/UE and Safety Low Voltage Directive 2014/35/UE*

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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)
Range and power supply	Current loop (2 wires): range 0÷21 mA - Power supply: 24V DC Transmitter (3 wires): range 0÷21mA - Power supply: 24V DC Voltage (4 wires): range ±10V - Power supply: 24V DC Wheatstone bridge (6 wires): range ±10 mV/V - Power supply: 5 V DC Servo-inclinometer: range ±10000 mV - Power supply: ±12V DC Platinum RTD (Pt100): range -150°C to +150°C - Power supply: 1 mA Thermistor (NTC): range -30°C to +150°C - Power supply: 0.04mA, 0.1mA, 1mA Vibrating Wire: range 400Hz to 6000Hz - Excitation sine wave signal (adaptive): ±10 V
Reading resolution	1µA at FS 20mA - 1µV at FS ±20mV - 10µV at FS ±1V - 100µV at FS ±10V 0.001mV/V at FS 10mV/V - 0.1°C for PT100 - 0.1°C for NTC 0.1 Hz at FS from 400 to 6000Hz
Accuracy	0.03% FS (0.1% for Voltage and Servo-inclinometer, 0.2% FS for PT100 and NTC
Temperature drift	0.001 % FS / °C
Rechargeable battery	4 x AA, NiMH, 2400 mAh
Operating time	min. 3h 30' (constant use, 24 Vdc @ 20 mA @ 25 °C, maximum backlight, 2500 mAh batteries) min. 4h (constant use, 24 Vdc @ 20 mA @ 25 °C, 50% backlight, 2500 mAh batteries)
Battery charger	Programmable charger, IP41, input voltage: 100-240 V AC, 50-60 Hz, 1.3A
Display	TFT LCD panel with LED backlight unit, 320 x 240, 3.5"

ENVIROMENTAL CONDITIONS

Operating temperature	from -20°C to +60°C
Storage temperature	from -30°C to +70°C

PHYSICAL CHARACTERISTICS

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

CERTIFICATIONS

Eletromagnetic compatibility	EN 61326-1 (2006)
Safety requirements	EN 61010-1 (2001)

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

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ITEMS INCLUDED

TRAVEL BAG

Splashproof shoulder/belt carrying bag.

BATTERY CHARGER OECABCRD400

100-240 Vac / 12 Vdc battery charger

SENSOR CABLE OECAV8P6A00

Jumper cable with 6 alligator clips

USB FLASH DRIVE

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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The manufacturer reserves the right to make changes to the product or to its parts without prior notice, also on the basis of contingent situations not related to the technical characteristics alone, such as, for example, material or components shortages.
For the specific accuracy performance of each product, please refer to the Calibration Report issued for each instrument.
The datasheet is issued in English and other languages. In order to avoid discrepancies and disagreement on the interpretation of the meanings, Sisgeo Srl declares that English Language prevails.

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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***