

SEFELEC RCP2A

Datasheet

Milliohmimeter



GENERAL SPECIFICATIONS RCP2A

Alimentation	Interchangeable NiMH battery pack Battery charger (mains voltage from 90 to 253 V AC)
Storage temperature	-20° C to + 50° C
Operating temperature	0° C to + 50° C
Security	Compliant with EN 61010-1 standard Safety class 3 Battery pack class 3 External charger class 2
Dimensions Height Width Depth	250 mm 340 mm 120 mm
Weight	<4.5 Kg

RCP2A ADVANTAGES

Design and Transport

- Designed for easy transport with the supplied shoulder strap
- Highly resistant to extreme environments thanks to a fiberglass and polyester resin enclosure

Usage

- Easy to operate with push-button or automatic measurement triggering
- Adjustable measurement thresholds (high and low)
- Red/green LED indicators and audible signal

Data Recording

- Capacity for 999 test steps with measurement storage
- Programmable test sequences
- Download of test programs and results via RS232 interface

Connectivity

- RS232 interface and PC data transfer software
- Two front panel connectors (3-pin and 4-pin) with JAEGER sockets for measurement

Display

- 240 x 64 dot matrix LCD with backlight
- 6000-point display
- Remote display (RCP-01 option) with 3-meter cable

Battery

- Operating time: 20 hours or 1000 measurements at 10 A
- Easily removable battery pack
- Charging time: 3 hours with external charger

Range	Resolution	Current	Measurement uncertainty at 20°C ± 5°C over 1 year	Temperature coefficient (per °C)
6000 mΩ	1mΩ	100 mA / 1 A	± (0,1 % Lect. + 0,1 % PE)	40 ppm Lect. + 30 ppm PE
600 mΩ	100 μΩ	1 A / 10 A	± (0,1 % Lect. + 0,1 % PE)	40 ppm Lect. + 30 ppm PE
60m Ω	10 μΩ	1 A / 10 A	± (0,1 % Lect. + 0,1 % PE)	40 ppm Lect. + 30 ppm PE
6 mΩ	1μΩ	1 A / 10 A	± (0,1 % Lect. + 0,1 % PE)	40 ppm Lect. + 30 ppm PE

OPTIONS

References	Descriptions
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PC AND BATTERY ACCESSORIES

RCP-01	<ul style="list-style-type: none"> Remote Control with Display and Memory Can be handheld or strapped to the forearm Dimensions: 200 x 120 x 60 mm Weight: 600 g Display: Backlit LCD, 64 x 240 dots, 6000 points Connection: 9-pin Sub-D connector
RCP-02	<ul style="list-style-type: none"> Additional battery pack
RCP-03	<ul style="list-style-type: none"> Spare battery charger
RCP-08	<ul style="list-style-type: none"> Remote control/PC adapter with power supply
RCP-09	<ul style="list-style-type: none"> RCP2A Software and PC Connection Cable CO179A Test sequencing, user management, and an easy-to-use interface with only 4 buttons Simple data upload/download Type: software compatible with Windows™ XP Pro and Windows 7
RCP-21	<ul style="list-style-type: none"> USB hub with 2 ports
RCP-27	<ul style="list-style-type: none"> Discharger/Charger Battery pack for RCP2A
CO179A	<ul style="list-style-type: none"> Connection Cable between PC and RCP2A Length: 2.5 m Connectors: 9-pin male/female SUB-D

CABLE EXTENDERS

References	Description	Length	Termination
RCP-04	<ul style="list-style-type: none"> Extension cable for RCP2A remote control 	12m	Measurement cable (4-pin male / 4-pin female connector)
RCP-06	<ul style="list-style-type: none"> Extension cable on reel for CO8, CO10, or CO255 	15m	Measurement cable (3-pin male / 3-pin female connector)
RCP-07	<ul style="list-style-type: none"> Extension cable on reel with trolley for CO8, CO10, and CO255 	90m	Measurement cable (3-pin male / 3-pin female connector)
RCP-10	<ul style="list-style-type: none"> Cable extension reel with mounting base 	20m with mounting base	3-pin male panel mount connector / 3-pin male cable connector
RCP-11	<ul style="list-style-type: none"> Cable extension reel with mounting base 	20m with mounting base	Measurement cable (3-pin male / 3-pin female connector)
RCP-14	<ul style="list-style-type: none"> Jaeger adapter for connecting a second probe 	30 cm	Measurement cable (3-pin male connector / 4-pin female connector)

OPTIONS

MEASUREMENT / CONNECTION CABLES

References	Lenght	Termination	Additional notes
TE28/1	3m	1 male 4-pin connector	Juxtaposed bipolar test probes Metallization measurement cable with remote control
TE9/JE	3m	1 male 3-pin connector	2-wire measurement lead with integrated bipolar touch probe
TE9-1	3m	1 male 4-pin connector	Retractable concentric test probes 2-wire measurement cable equipped with a 180 mm bipolar dagger probe
CO8	12m	1 male 3-pin connector	Small-size clamp" "Return current measurement cable
CO9	20m	1 male 3-pin connector	Extension lead
CO10	12m	1 male 3-pin connector	Large clamp with tripolar test probes" "Return current measurement cable
CO250	2.5m	1 male 4-pin connector	Kelvin crocodile clamp with 3 banana plug connectors and integrated test probes
CO251	3m	1 male 4-pin connector	2-wire measurement cable with retractable concentric test probes and 150 mm bipolar dagger-style contact tip
CO255	2m	1 male 3-pin connector	Return current measurement leads with small-size Kelvin clamp
CO258	3m	1 male 4-pin connector	2-wire measurement cable with retractable concentric test probes and 180 mm bipolar dagger-style contact tip
CO262	3m	9-pin male/female SUB-D connector	Cordon de liaison entre RCP-01 (Télécommande) et PC (inclus dans le RCP-01)

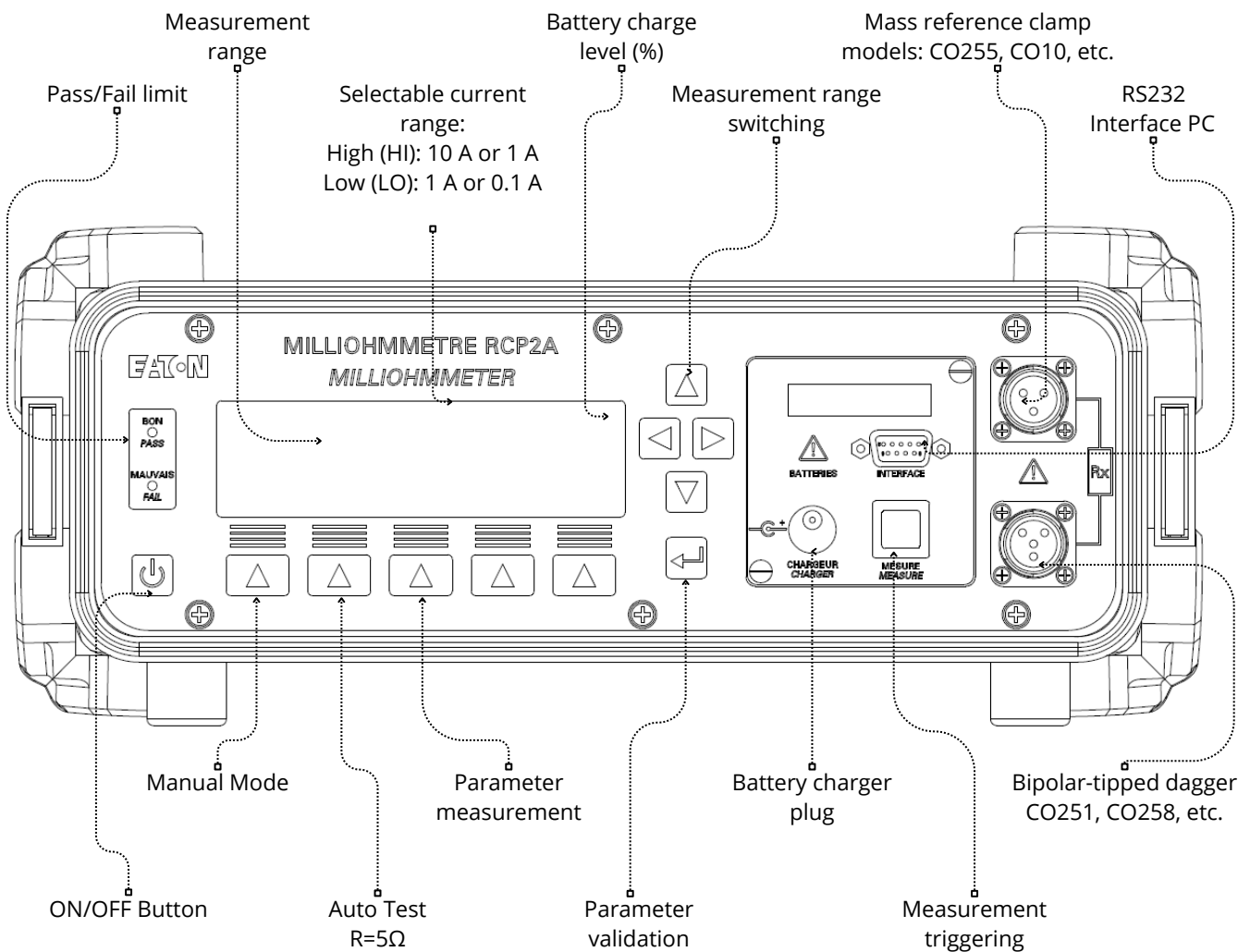
CALIBRATION TOOLS

RCP-17	1 mΩ 0,5% verification shunt	RCP-20	50 mΩ 0,5% verification shunt
RCP-18	5 mΩ 0,5% verification shunt	RCP-26	100 mΩ 0,5% verification shunt
RCP-19	10 mΩ 0,5% verification shunt	RCP-91	RCP2A calibration box

RCP2A PROTECTIVE ACCESSORIES

RCP-05	<ul style="list-style-type: none"> Fiberglass case for transporting the device and accessories Dimensions: 660 x 460 x 180 mm Weight: 7 kg
RCP-15	<ul style="list-style-type: none"> Protective cover & front panel guard Dimensions: 340 x 120 x 60 mm Weight: 1.5 kg
RCP-24	<ul style="list-style-type: none"> Accessory carrying case

Design



Discover our product ranges:



Automatic cable tester SYNOR

- From 8 to 140,000 test points
- Continuity in 2 and 4 wires up to 10A
- Isolation up to 5000V DC
- Dielectric strength up to 4000V AC and 5500V DC
- Configuration: in cabinet or compact case, mobile or remote



SCANNER 64-SC

- High density: 8 to 512 channels
- Maximum voltage: 5kVAC 500VA and 6kVDC
- Insulation: up to 200GΩ under 1000 VDC
- Ground continuity: up to 32A AC max.
- Compliant with: IEC 61010-2-034



SEFELEC 5X

- Dielectric strength: 5 kVAC and 6 kVDC with a power of 50 or 500VA
- Insulation measurement: under 1000VDC for measurements up to 2 TΩ
- Ground continuity control: under 32A or 50AAC