

## Pyrotechnical Ohmmeter 2000 points RN 5306



- Resolution : 0,01 Ω
- Safety use
- Accuracy : 0,3%
- Protection of case IP65
- Taring

The portable ohmmeter RN 5306 is essentially dedicated to checking of electro-pyrotechnics systems according to all requested safety conditions for such measurements.

Thanks to the robustness and imperviousness of the case, the small weight and dimensions, and the high level of autonomy, RN 5306 is perfect for measurement in field.

### Applications

Military field: measurement of primer detonators, system weapons ...

Civilian field : checking of shoot line in mines (firedamp free) and quarry, pyrotechnical systems, fire works, ...

Homologation reference : CERCHAR, evaluation statement CELAR N° TECH/85-403/ TECHN-IME 55190, STCAN n°1-15-12-0140 dated 02/25/91.

### Characteristics

2000 measurements points :  
LCD display 13mm.  
2,5 measurements/sec,  
balancing time  $\leq 2s$ .  
Adjustment of the range for both 4 and 2 wires configurations by the same button.  
Taring of line –2 wires configuration- by impervious potentiometer (10 Ω max).

	Range	Resolution	Accuracy (1)	Line resistance acceptable	Max. current measurement	Max. voltage
4 wires	20 Ω	10 mΩ	0,3% + 10mΩ	50 Ω per wire	0,5mA	$\leq 1V$
	200 Ω	100 mΩ	0,3% + 100mΩ		0,5mA	
	2 kΩ	1 Ω	0,3% + 1Ω		0,5mA	
2 wires	20 Ω	10 mΩ	0,3% + 10mΩ	Taring : 10 Ω For both wires	0,5mA	$\leq 1V$
	200 Ω	100 mΩ	0,3% + 100mΩ		0,5mA	
	2 kΩ	1 Ω	0,3% + 1Ω		0,5mA	
	20 kΩ	10 Ω	0,3% + 10Ω		50μA	
	200 kΩ	100 Ω	0,3% + 100Ω		5μA	
2 MΩ	1 kΩ	0,3% + 1kΩ	0,5μA			

(1)  $\pm$  (% reading + number of digits) at 23°C  $\pm$  1°C for one year

Maximum voltage between pins : 1V in open circuit

## Safety of measurement.....

In case of overranging: 3 last digits, switch off  
In case of breakdown of a wire or mistaken connection:  
display of negative polarity

## Safety of apparatus.....

Protection against dust and water: IP65  
Electrical safety for the measurement of primer:  
- for position 0 (stop) and T (test), the measurement pins are short-circuited  
- the positions T (test) check the maximum current measurement ( $\leq 0,5$  mA)  
- in case of internal failure, the design of apparatus permits to limit the current measurement to:  
less than 5mA (for only one failure), or less than 10mA (for two simultaneous failures)

## Operating conditions.....

Nominal conditions:  
- temperature +5 to +55°C  
- relative humidity 45 to 75%  
Limit conditions:  
- temperature -10 to +55°C  
- humidity  $\leq 95\%$  at 40°C

## Reference field.....

Temperature coefficient  $\leq (0,01\%L + 0,1d)/^{\circ}C$

## Power Supply.....

Battery 9V (6 LF 22)  
Autonomy  $\geq 400$  hours  
Indication of end of life of battery by displaying "LO BAT"

## Dimensions.....

196 x 87 x 41 mm

## Weight.....

380 g

## Accessories included as standard.....

Rubber case  
A pair of cables

## Ordering instructions

Pyrotechnic ohmmeter RN 5306

## Accessories.....

Carrying bag ER40508-000  
rubber case B0001-005  
pair of cables ER41015-000



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