

AR911

Current & Voltage Calibrators/Meters



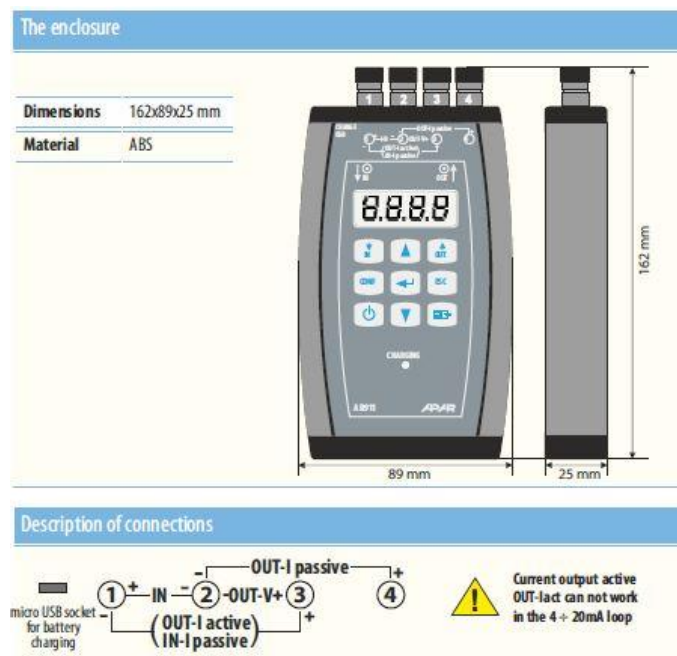
Applications

Setting or measuring current or voltage signals. Output allows user to control or test devices with voltage or current input (proportional valves, actuators, inverters, motors, transducers, etc.)

Features

- Ergonomic hand-held design with rubberized side handles
- Simple and reliable banana connectors for laboratory use
- Highly visible LCD display and functional keyboard
- Power supply from two AA batteries (R6)
- A built-in battery charging system (charger included)
- Option of protecting access to the configuration of parameters with password
- High resistance to interference occurring in industrial environments

Technical Data	
Number of analog outputs/inputs	1/1 (Operation modes-setting or measurement)
Current signal	Standard 0/4÷20mA (input, output active and passive)
Full range of changes	3,8÷21mA / 0÷21mA / 21÷3,8mA / 21÷0mA
Resistance input and load resistance active output	$R_o = 65 \Omega$ (input), $R_o \leq 500 \Omega$ (output)
Supply, load resistance active passive	$U_{sup} = 5\div36V_{dc}$, $R_o \leq (U_{sup}-5V)/21mA \leq 1500 \Omega$
Resolution	2 μA (Maximum programmable), 10 μA standard
Voltage signal	Standard 0/2÷10 V
Full range of changes	0÷10,5V / 1,9÷10,5V / 10,5÷0V / 10,5÷1,9V
Load resistance	$R_0 > 2,7 k\Omega$ (output), $R_0 > 100 k\Omega$ (input)
Resolution	1 mV (Maximum programmable), 10mV standard
Processing errors (at 25°C) basis	0,15 % (output), 0,2% (input) full range ± 1 digit
Additional from ambient temperature change	$< 0,005 \%$ of the input range / °C
Response time (10÷90%)	0,36 s (output), 0,32 ÷ 1,3 s – programmable (input)
LCD display	(7-segment, 4 digits, height 10 mm)
Range of indications:	-1999 ÷ 9999 maximum programmable, standard 0,00÷21,00 mA or 0,00÷10,50 V
Power supply batteries (rechargeable batteries)	2x1,5V or 2x1,2V NiMH, type AA (R6)
Charging	Current < 400 mA, time < 320 min, micro USB socket
Operation time (2,000 mAh batteries) - note (1)	9 ÷ 400 Hours, depend on the operation mode and load
Rated operating conditions	0 ÷ 50°C, $< 90 \%$ RH (Non-condensing)
Operating environment	Air and neutral gases
Protection rating	IP43 (IP20 on the connection side)
Weight	~230g (With batteries, without charging power supply)
Electromagnetic compatibility (EMC)	Immunity: acc. to the PN-EN 61000-6-2 Emission: acc. to the PN-EN 61000-6-4
(1) The estimated time of operation with new fully charged rechargeable batteries is >9 hours in the setting mode for continuous current value of 20 mA, >40 hours for continuous voltage value of 10 V, and >400 hours in the testing mode	



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38 Section Street, Paarden Eiland, CAPE TOWN, 7405

Tel: +27 21 511 4104 Fax: +27 21 511 9866 sales@cis-online.co.za www.cis-online.co.za