

AR911

Setter - analog signal, measuring device



Setting or measuring current or voltage signals



- analogue output/input (programming device or meter):
 - current 0/4÷20mA (active output, cannot be supplied in two-wire current loop)
 - current 4÷20mA (passive) for 2-wire current loop
 - voltage 0/2÷10V
- output allows user to control or test devices with voltage or current input (proportional valves, actuators, inverters, motors, transducers, etc.)
- oft start/stop (ramping) or a triangular wave generator triggered and stopped manually
- programmable configuration parameters (display range, range and step changes of output signal, soft start/stop, auto-off time of the device, zero calibration, and amplification of the measured or setpoint signal, etc.)
- quick and easy to readout of the actual value of the measured or output signal (mA, V or converted into a programmable display range), type of signal set, operational direction
- diagnostic functions facilitating fault detection of the tested system, e.g. a short-circuit in voltage signal system, open circuit loop
- ergonomic hand-held design with rubberised side handles
- simple and reliable banana connectors for laboratory use
- highly visible LCD display (without backlighting) 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

Contents of set:

- set with batteries and measuring leads
- power supply for charging batteries with USB cable
- user manual, warranty card
- case

Accessories:

- power supply for charging batteries

Technical Data

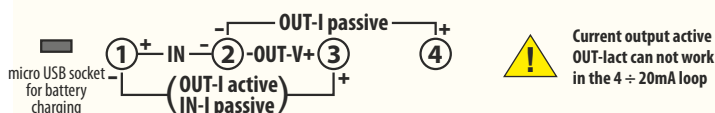
| | |
|---|---|
| Number of analog outputs/inputs | 1/1 (operation modes-setting or measurement) |
| Current signal | standard 0/4÷20mA (input,output active and passive) |
| full range of changes | 3,8÷21mA / 0÷21mA / 21÷3,8mA / 21÷0mA |
| resistance input and load resistance active output | $R_0 = 65 \Omega$ (input), $R_0 \leq 500 \Omega$ (output) |
| supply, load resistance active passive | $U_{sup} = 5 \div 36Vdc$, $R_0 \leq (U_{sup}-5V)/21mA \leq 1500 \Omega$ |
| 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, without backlight) | 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 P 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

The enclosure

| | |
|-------------------|--------------|
| Dimensions | 162x89x25 mm |
| Material | ABS |

Description of connections



How to order
AR911

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