

AR517

Universal Microprocessor Indicator Type AR517



- table protection box 96 x 48 x 79 mm
- digital readout LED with brightness adjustment
- programmable indication range (for analog inputs)
- access to configuration protected by password
- programmable from 3-key keyboard IP65
- set includes a tack film with basic measuring units
- optional:
 - interface RS232C or RS485, MODBUS-RTU, galvanic insulation
 - analog output 0/4÷20mA or 0÷10V (retransmission)
 - minimal measuring range
 - input RTD: 10°C
 - thermocouple input: 2 mV

Technical specification

Universal input (chosen from keyboard), range of indicators and controllers:

RTD:

- Pt100 (3- or 2-wire).....-200 ÷ 850 °C
- Ni100 (3- or 2-wire).....-50 ÷ 170 °C

Thermocouple:

- thermocouple J.....0 ÷ 800 °C
- thermocouple K.....0 ÷ 1200 °C
- thermocouple S.....0 ÷ 1600 °C
- thermocouple B.....300 ÷ 1800 °C
- thermocouple R.....0 ÷ 1600 °C
- thermocouple T.....0 ÷ 350 °C
- temperature compensations of thermocouple cold junctions

Analog:

- current (Rwe = 110 Ω).....0 ÷ 20mA, 4÷20mA
- voltage (Rwe = 100 kΩ).....0 ÷ 10V
- voltage (Rwe = 2,2 MΩ).....0 ÷ 60mV

Measuring accuracy:0,1 % span ±1 digit
 - thermocouple input0,2 % span ±1 digit, <2°C
(temperature of cold ends)

Power supply:.....24V= / 30mA

Digital readout LED: (standard 2 x 4 digits)

- range of readout-1999÷9999,
- height of numbers:20 mm

Analog output: (without galvanic insulation from input, option)

- current..... 0 ÷ 20mA, 4÷20mA
- output resistance Ro < 350 Ω
- voltage 0 ÷ 10V,
- output resistance Io < 4,5mA
- deviation of output level <0,1 % output span

Signaling:

- found errorsmessage on screen

Power supply:

- grid supply230V~ (85÷260 V~) / 3VA,
- low voltage(option)24V~ (15÷50 V~)/ 3VA

Operating temperature range:.....0 ÷ 50 °C

Relative humidity range:.....0 ÷ 90 % (without condensation),

Internal protection:IP65 from the front,
 IP20 from wire connections

Ordering Information

AR517

A

B

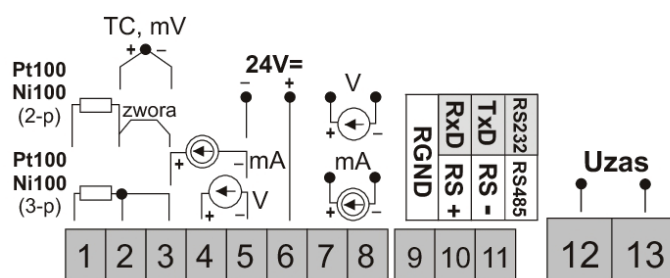
A Power supply

S1	230 VAC (85 – 260 V)
S2	24 VDC (18 – 72 V)
S3	24 VAC (15 – 50 V)

B Additional options

RS485	Series interface RS485
RS232	Series interface RS232
WA	Analog output 0/4 – 20 mA
WU	Analog output 0 – 10 V

Description Of Wire Connections



Protection Box And Mounting Style

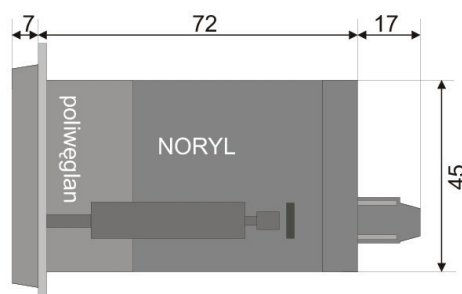
Table INCABOX XT96x48 XT L57

Material.....polycarbonate,
self-extinguishing NORYL 94V-0

Dimensions of box.....96 x 48 x 79 mm

Window of table92 x 46 mm

Mountinggrips of the box side



Ordering Example

AR517-S1-RS485

stands for: Universal indicator AR517, power supply 230 V (85 – 260 V), additional series interface RS485