



AR250

Two-Wire Relative Humidity Transmitter Type AR250



Two-wire relative humidity transmitter type AR250 is designed for measuring and control of relative humidity in air-conditioning and industrial systems. Transmitter converts capacity changes of thin-film sensor into standard output signal 4-20 mA, which can be measured by a meter.

Electronic system of the transmitter is made in two-wire technology. Output current 4-20 mA and power supply are sent by the same wires. All system is placed into polycarbonate box of internal protection IP65, adjusted to be assembly in rooms or in ventilator canals.

Technical specification

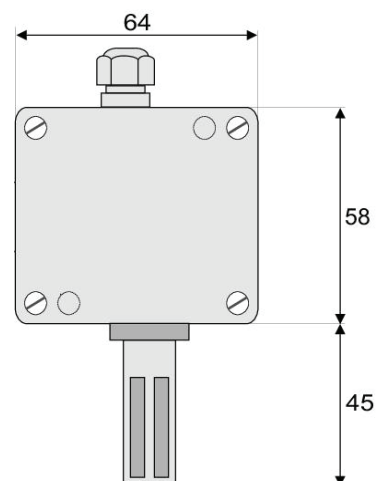
Type of sensor	Power supply U_z	Ambient temperature
Thin-film capacity sensor	Depends of output signal	-20°C..+80°C

INPUT

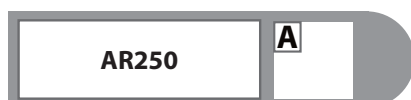
Measuring range	Accuracy in the range 10-90% R.H.
2 – 98 % R.H.	± 3 %

OUTPUT

Output current	Power supply
4 – 20 mA	12 – 36 V DC; $R_{ob} = (U_z - 12)/22$ [mA]
0 – 10 V DC	18 – 30 V DC

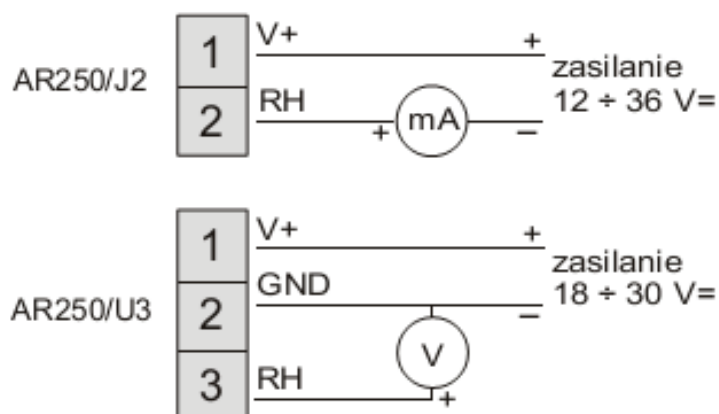


Ordering Information



A Output	
J2	Current (2P) 4 – 20 mA
U3	Voltage (3P) 0 – 10 C

TERMINAL STRIP



Ordering Example:

AR250-J2

stands for: Relative humidity sensor type AR250, with current output 4 – 20 mA.