Humidity transmitter AR250

Technical data

Sensor & Probe:	Digital, ABS housing, probe integrated, on wire, or stainless steel tube
Measurement range:	0–100 %RH
Accuracy:	Humidity: ±2.5%RH (0–90 %RH), ±3.5%RH (90–100 %RH)
Hysteresis & stability:	±0.8 %RH, long-term stability < 0.25 %RH/year
Response time (63%):	8s (airflow > 3.6 km/h)
Outputs:	Current: 4…20 mA (2-wire), load R_0< (U_{sup}–12) / 22 mA Voltage: 0…10 V (3-wire), load I_0<4.5 mA (R_W>2.5 kΩ)
Power supply:	12–36 VDC (4…20 mA); 18–30 VDC (0…10 V)
Configuration:	PRG port (AR955/AR956 programmer, ARsoft-CFG software)
Protection rating:	Enclosure: IP65 Probe: IP40
Operating conditions:	-30 to +80 °C; <100 %RH (non-condensing), air and neutral gases

*For full details visit our website: www.aplisens.com

Ordering code

Model	Code	Description
AR250		Humidity transmitter

Humidity and temperature transmitter AR252

Technical data

Sensor & Probe:	Digital, ABS housing**,** probe integrated, on wire, or stainless steel tube
Measurement range:	Humidity: 0–100 %RH Temperature: −30 °C to +80 °C
Accuracy:	Humidity: ±2.5%RH (0–90 %RH), ±3.5%RH (90–100 %RH) Temperature: ±0.5 °C
Hysteresis & stability:	±0.8 %RH, long-term stability < 0.25 %RH/year
Response time (63%):	8s (airflow > 3.6 km/h)
Display (optional):	LCD, 4 digits
Outputs:	Current: 4…20 mA (2-wire), load R_0< (U_{sup}–12) / 22 mA Voltage: 0…10 V (3-wire), load I_0<4.5 mA (R_W>2.5 kΩ) RS485: MODBUS-RTU (slave, non-isolated)
Supply voltage:	12–36 VDC (4…20 mA); 18–30 VDC (0…10 V); 9–28 V AC or 9–36 V DC (RS485)
Configuration:	PRG port (AR955/AR956 programmer, ARsoft-CFG software)
Protection rating:	Enclosure: IP65, Probe: IP40
Operating conditions:	-30 to +80 °C; LCD: -20 to +70 °C <100 %RH (non-condensing), air and neutral gases

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Ordering code