



WALL AND DUCT HUMIDITY TRANSMITTERS, IP65

TU

FUNCTION

Humidity measuring and transmission in voltage, current values:

- 0...10 Vdc, 0...5 Vdc, 3 wires;
- 4...20 mA, 2 wires;

APPLICATIONS

Designed for industrial applications with air duct mounting or wall mounting.

TYPE	RANGE % r.h.	OUTPUT (HUMIDITY)	ACCURACY (HUMIDITY) % r.h.	PROTECTION	APPLICATION	DIAGRAM FIG.
TUC1	0...100	0...10 Vdc	± 3	IP65	air duct	2
TUC2	0...100	4...20 mA	± 3	IP65	air duct	1
TUC3	0...100	0...5 Vdc	± 3	IP65	air duct	2
TUE1	0...100	0...10 Vdc	± 3	IP65	room/outdoor	2
TUE2	0...100	4...20 mA	± 3	IP65	room/outdoor	1
TUE3	0...100	0...5 Vdc	± 3	IP65	room/outdoor	2

Accessory	DBZ-22 - mounting bracket for air duct transmitters TUC
-----------	---

Operating temperature limit -5...+50 °C.

Note: the transmitters model TUC are supplied with mounting bracket model DBZ-22

TECHNICAL DATA

Power supply: see electrical wiring
Humidity sensor: capacitive
Output: see schedule
Power cons.: < 1 W
Elect. connections: screw terminals section cable max. 0.75 mm²
Measuring range: see schedule
Working temp.: -5...+50 °C
Working humidity: 10...95 % r.h.
Storage: -20...+70 °C
Precision: +/- 3 % r.h. at 20 °C

Temp. dependence of electronics: output 4...20 mA (humidity): 0.015 °C/°C
Load limits:
 output 4...20 mA
 - power supply 11...17 Vdc: $R_L < 50 \text{ Ohm}$
 - power supply 21...30 Vdc: $R_L < 500 \text{ Ohm}$
 output 0...10 Vdc, 0...5 Vdc: $R_L > 1000 \text{ Ohm}$

Housing: cover: withe polycarbonate
 base: gray polycarbonate
Protection: IP65, class III (sensor excluded)
Dimensions: wall: 75 x 172 x 36 mm
 duct: 75 x 103 x 266 mm
Weight: 180...300 g

WIRING DIAGRAM

CURRENT (2 wires)

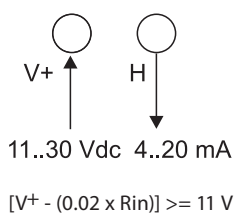


Fig. 1

VOLTAGE

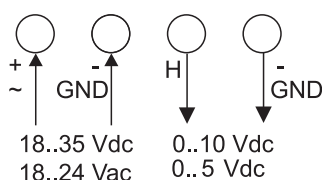
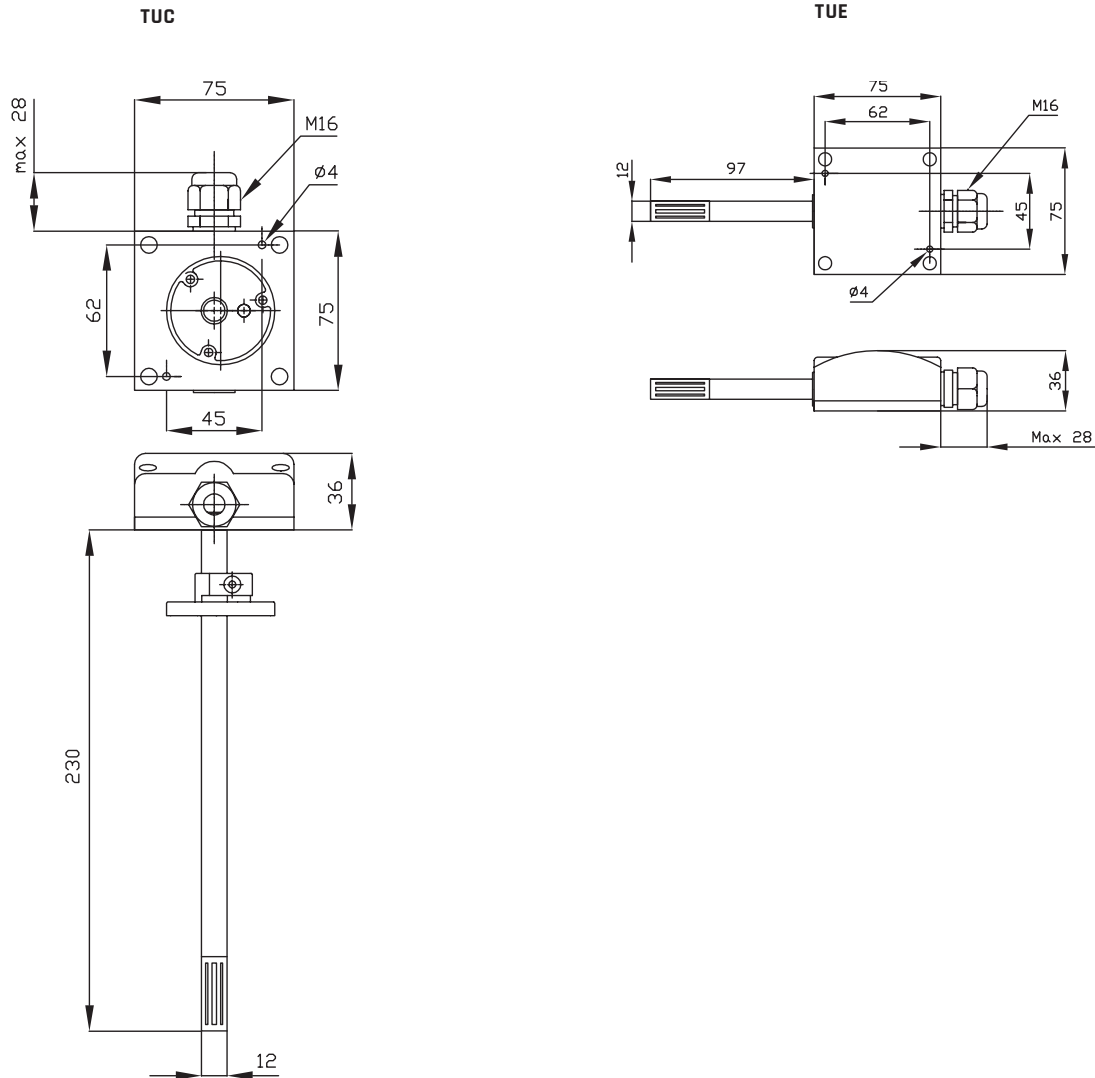


Fig. 2

Wiring diagrams referred to the different models from the schedule.

DIMENSIONS (mm)



MOUNTING BRACKET DBZ-22 SUPPLIED WITH TUC

