

Humidity and air temperature measuring instruments

Series FT3 to FT6



Application

FT3 to FT6 are used by estate agents, facility management companies, surveyors, architects, construction companies, manufacturers of pre-fabricated houses, manufacturers of caravans and mobile homes, etc. to quickly check the substance of buildings or climatic room conditions.

Description

Digital display humidity and temperature measuring instruments with electronic sensor system. The units are supplied by 9 V batteries (type E block 6 F 22 or IEC 6 LR 61). Various permanently connected sensor versions are available, depending on application requirements.
 FT3 – sensor integrated in instrument housing
 FT4 – sensor with flexible spiral cable
 FT5 – sensor fitted to 30 cm long flexible probe
 FT6 – sensor integrated in instrument housing

The FT3 to FT5 instruments measure temperature and relative humidity. FT6 measures temperature and absolute humidity in g/kg. The 4-digit LCD display with automatic battery check displays the measured value in digital form. The foil keypad allows the user to select various functions. Key ON/OFF for switching the instrument on and off. Selector key °C/°F. Selector key for measured value T = temperature, Td = dew point, rH = relative humidity (%) or – for FT6 – absH = absolute humidity (g/kg).

The selected measured value is indicated by an arrow symbol. Key HOLD = selector key for „measure“ or „hold“. Key MIN MAX = selector key for minimum, maximum or current measured value.

Technical specifications FT3 – FT5

Dimensions (without sensor)

W x H x D: 70 x 125 x 34 mm

Weight (with battery)

Approx. 210 to 250 g (depending on version)

Storage and transport temperature

-10 °C/50 °C

Battery life

Approx. 150 hours (zinc carbon battery) or approx. 270 hours (alkaline battery)

Sensor principle

Multiparameter SingleChipSensor

Humidity

Measuring range

0 % rF/100 % rF

Accuracy of measurement (10–90 % rF)

±2 % rF ±1 digit, otherwise max. ±4 % rF

Resolution

0.1 % rF

Repeatability

±0.2 % rF

Response time (T63)

≤ 5 seconds in slightly moving air

Temperature measuring range

-40 °C/80 °C

Accuracy of measurement (0–40 °C)

±0.5 °C ±1 digit, otherwise max. ±1.5 °C

Dew point (calculated)

Measuring range

-40 °C/120 °C

Resolution

0.1 °C

Technical specifications FT6

Humidity

According to EN-Norm 267 (for NOx emissions)

Temperature

Measuring range

-40 °C/80 °C

Accuracy of measurement (0–40 °C)

±0.5 °C ±1 digit, otherwise max. ±1.5 °C

DG: H	Part no.	Price €
FT3	70043	
FT4	70044	
FT5	70048	
FT6	70049	
Accessories		
Protective housing with magnet	69425	
Protective pocket for FT3, FT4, FT6	69848	
Protective pocket for FT5	61196	