

Thermo-hygrometer HD 110

KEY POINTS

- Easy to use
- Adjustable backlight
- Hold-min-max functions
- Selection of units

TECHNICAL FEATURES

Measuring element	Digital sensor (CMOS)
Display	4 lines, LCD technology. Sizes 50 x 36 mm 2 lines of 5 digits with 7 segments (value) 2 lines of 5 digits with 16 segments (units)
Cable	Coiled, length 0.45 m, expanding to 2.4 m
Housing	ABS, protection IP54
Keypad	5 keys
Conformity	Directives CEM 2004/108/CE and NF EN 61010-1
Power supply	4 batteries AAA LR03 1.5 V
Battery life	150 hours
Ambiance	Neutral gas
Operating temperature (instrument)	From -10 to +50 °C
Operating temperature (probe)	From -20 to +70 °C
Storage temperature	From -20 to +80 °C
Auto shut-off	Adjustable from 0 to 120 min
Weight	310 g

SPECIFICATIONS

Measuring units	Measuring range	Accuracy ¹	Resolution
Relative humidity			
%HR	From 5 to 95 %HR	Accuracy* (Repeatability, linearity, hysteresys) : ±1,8 %HR (from 15 °C to 25 °C) Factory calibration uncertainty : ±0,88 %HR Drift linked to the temperature : ±0,04 x (T-20) %HR (fi T < 15°C or T > 25°C)	0,1 %HR
Dew point			
°C _{td} , °F _{td}	From -40 to +70 °C _{td}	±0.8% of reading ±0.6°C _{td}	0,1 °C _{td}
Ambient temperature			
°C, °F	From -20 to +70 °C	±0.4% of reading ±0.3°C	0,1 °C

*All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with required compensation. As per NFX 15-113 and the Charter 2000/2001 HYGROMETERS, GAL (Guaranteed Accuracy Limit) which has been calculated with a coverage factor value of 2 is ±2.68%RH between 15 and 25°C on the measuring range from 5 to 95%RH. Sensor drift is less than 1%RH/year.

*Except class 110 S



FUNCTIONS

- Relative humidity, dew point and temperature measurements
- Selection of units (temperature and dew point)
- Hold Function
- Display of minimum and maximum values
- Adjustable and reseatable auto shut-off
- Backlight

