

Mini Hygrothermometer

HTFH-390

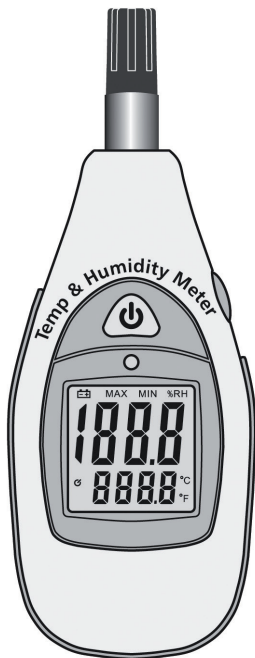


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Introduction

The 5020-0883 Thermo-Hygro MS 83 (below mentioned as device referred) measure temperature and relative humidity. The instrument indicates additionally the extremes (max./min.). The Auto-off-function allows a long battery life. As with all Instruments the correct use is an essential requirement for accurate measurement results. Read the manual thoroughly before use.

Safety instructions

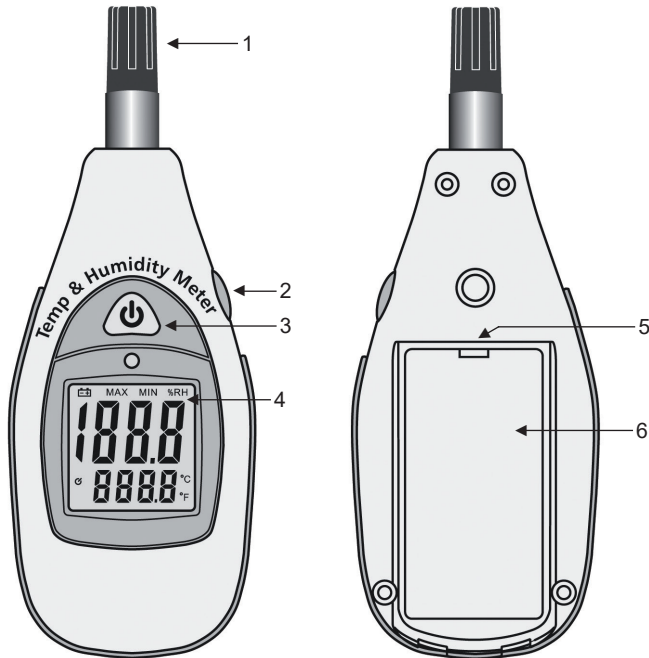
- Use the device only for purposes for which it is intended.
- The instrument is not a toy. It must be kept out of the hands of children.
- Store the device in a dry place.
- Do not drop the instrument! Protect the instrument against shock or vibrations. Note the storage conditions.
- Do not immerse the instrument into water or other liquids.
- Do not use the device when the instrument or a part of the instrument is damaged. In case of a defect device please contact your distributor.

Operating the unit

Features

- Resolution 0.1%RH, 0.1°C/0.1°F
- Max Hold and Min Hold Function
- Dual Display Temperature & Humidity
- Auto Power Off, Disable Sleep Mode
- Light sensitive backlight

Description of the unit



1. Humidity & Temperature Sensor
2. MAX/MIN button
3. Power ON/OFF button
4. LCD Display

5. °C/°F - switch
6. Battery cover

Display



1. Low-Battery-Symbol
2. Max./Min. Symbol
3. %RH Symbol (relative humidity)
4. Humidity value
5. °C/°F Symbol
6. Temperature symbol
7. Auto power off symbol

Start-up the unit

Insert the battery.

Open the battery cover and insert the 9 volt battery according to the correct polarity.

Power

Press the power button to turn on or off.

Humidity and air Temperature Measurements

- 1) Hold the probe in the area to be tested & allow adequate time for readings to stabilize.
- 2) Press °C/°F switch to enter selector °F or °C measurement
- 3) Read the Relative Humidity and Air Temperature.
- 4) If it appears, battery should be replaced with new one.

Note: Do not immerse the probe into liquids. The device is only for air measurements.

Maximum (MAX) Minimum (MIN) Function

The MAX/ MIN mode allows the user to view only the lowest (MIN) or highest (MAX) readings.

Press the MAX/ MIN button once and "MAX" appears on the display. The LCD is now displaying the maximum reading of the selected parameter in the display. The display will not change until a higher reading is registered.

Press the MAX/ MIN button again and "MIN" appears on the display. The LCD is now displaying the minimum reading of the selected parameter in the display. The display will not change until a lower reading is registered.

Press the MIN/MAX button for 3 seconds to exit the MIN/MAX mode, and the "MAX" or "MIN" icon will disappear.

Auto Power OFF

Meter automatically shuts down after approx. 30 minutes of inactivity (Sleep Mode). To override Auto Power Off function (Non-Sleep Mode), firstly press the MAX/MIN button and hold, then press power button, after the display appears, release both buttons. Icon "☺" will not shown on the LCD. The unit will not auto power off now.

Replacing the battery

It is necessary to replace the battery when the battery symbol appears. Open the battery case on the rear side. Insert a new alkaline battery. Connect the battery with the correct polarity with the battery-clip. In order to avoid leaking batteries replace weak batteries asap. In case of leaking batteries use gloves and goggles for personal protection.

Technical information

Specifications

Function	Range & Resolution
Humidity	0.0 .. 100.0%RH
Temperature	-20.0 .. 60.0°C (-4°F .. 140°F)

Display:	Dual digital LCD display with backlight
Sensor Type:	A single chip relative humidity and temperature multi sensor module comprising a calibrated digital output

Response Time:	<15 seconds (90% of final value in moving air)
Polarity:	Automatic, (-) negative polarity indication.
Low battery indication:	The "☹" is displayed when the battery voltage drops below the operating level.
Operating Conditions:	32 to 122°F (0 to 50°C); < 80% RH non-condensing
Storage Conditions:	-40 to 185°F (-40 to 85°C); <99% RH non-condensing
Power:	One standard 9V, NEDA1604 or 6F22 battery.
Battery Life:	Approx. 48 hours
Dimensions/ Weight	146(L) x 54(W) x 34(H) mm; 138g (Including battery)

General provisions

Explanation of symbols



This sign certifies that the product meets the requirements of the EEC directive and has been tested according to the specified test methods.

Disposal

This product has been manufactured using high-grade materials and components which can be recycled and reused



Never dispose of empty batteries and rechargeable batteries in household waste. As a consumer, you are legally required to take them to your retail store or to an appropriate collection site depending on national or local regulations in order to protect the environment. The symbols for the heavy metals contained are:

Cd=cadmium, Hg=mercury, Pb=lead



This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE). Please do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal.

Maintaining the unit

Clean it with a soft damp cloth. Do not use solvents or scouring agents.

Klipspringer Ltd.

Rynor House
Farthing Road
Ipswich, IP1 5AP, UK

Phone: +44 (0) 1473 461 800

sales@klipspringer.com

www.klipspringer.com