

TH300 Barometric Pressure Temperature/Humidity Data Logger

TEKNEKA

Product Datasheet

The Tekneka TH300 is an advanced data logger with accurate temperature, humidity, and barometric pressure measurements as well as a recording feature. It can measure temperatures from 0 ~ 50°C, humidity from 10 ~ 90%RH, and barometric pressure from 10 ~ 1000hPa on a 3" LCD screen. Updating data every second guarantees real-time monitoring. Data logging to an external SD card is supported by the device, making data transfer to a PC simple. The TH300 allows users to set recording intervals, date, time, alter measurement units, and effectively save readings because of its longer battery life and low power consumption technology. The Tekneka TH300 is an excellent choice for monitoring clean rooms, laboratories, warehouses, and storage areas since it is accurate and precise.

Features

- Temperature, humidity, and barometric pressure data are continuously monitored and recorded
- Configuration doesn't require any additional software, and data may be exported quickly to an SD card
- Can configure the recording logging interval, calendar, and measuring units
- Records values in the external SD card, which is easily shared/transferred to the PC
- Data stored in an Excel file is automatically categorized into folders
- A microprocessor circuit has a longer battery life and uses less power
- Data logging intervals can be set to 5, 10, 30, 60, 120, 300, or 600 seconds
- It can run with a DC 9V power supply (optional)
- Comes with RS232 output for data acquisition



Applications

The Tekneka TH300 is commonly used in agricultural greenhouses, pharmaceuticals, laboratories, hospitals, manufacturing facilities, food transportation, quality inspection, warehouse storage, breeding facilities, museums, and home and office environment monitoring.

Packing Includes

- Hanging Unit (with sticker)
- 6 x 1.5V AAA Batteries
- User Manual

OPTIONAL ACCESSORIES

- 9V Power Adapter
- RS232 Cable
- SD Card

Ordering Info

TH300..... Barometric Pressure/Temperature/Humidity Data Logger

SPECIFICATIONS	
Temperature Measuring Range	0 ~ 50°C (32 ~ 122°F)
Temperature Accuracy	±0.8°C (±1.5°F)
Humidity Measuring Range	10 ~ 90%RH
Humidity Accuracy	±4 %RH (< 70%RH), ±5 %RH (> 70%RH)
Barometric Pressure Range & Accuracy	10 ~ 1000hPa ± 2hPa
	1000 ~ 1100hPa ± 3hPa
	7.5 ~ 825mmHg ± 1.5mmHg
	0.29 ~ 32.48inHg ± 0.10inHg
Display Resolution	0.1°C/0.1%RH/0.1hPa, 0.1mmHg, 0.01inHg
Display Size	3" LCD
Data Output	SD card (upto 16GB supportable), RS323
Export Report Format	.xls (Excel)
Data Logging Interval	5/10/30/60/120/300/600 seconds
Data Refresh Time	1 second if the measurement data change
Power Supply	DC 9V adapter input (optional)
Battery	6 x 1.5V AAA
Operating Conditions	0 ~ 50°C (32 ~ 122°F)
Dimension	132 x 80 x 32mm/Pack: 220 x 110 x 60mm
Weight	Net: 250g/Gross: 340g