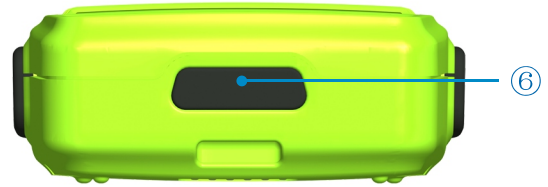


## Product Description



- ① Vent
- ② Sensor
- ③ Query key
- ④ Display area
- ⑤ On/Off key
- ⑥ Communication port

## Communication Interfaces

Mini USB Interface						
	PIN	1	2	3	4	5
	Signal	VCC	D-	D+	NC	GND
	Description	Power	Data-	Data+	-	GND

## Features & Advantages

### • Small size for more applications

MINI can be easily installed in relatively narrow space because of the small size. With multiple patent designs, MINI data loggers support portable use and also in transit use.

### • Key design for on-site query

Two keys equipped on MINI data loggers, one is ON/OFF key, the other is MAX/MIN key. Making operations on ON/OFF key, to start or stop recording as needed. Using MAX/MIN to query MAX, MIN, or Average data of the logged on site.

### • LCD with wider viewing angle and more redundant temperature range in normal operation

LCD equipped on MINI data loggers, uses FSTN technology for much clearer display. User can easily get the display on LCD even at the viewing angle of 170°. Operation temperature of LCD ranging from -30°C to 70°C, which brings it to more applications.

### • Safety design, strict EMC test

ZOGLAB MINI data loggers pass both CE and FCC certificates, and are manufactured according to the requirements of RoHS. MINI series are able to withstand a 25KV static and to avoid secondary pollution to super clean areas thanks to the ABS+PC housing which is flame-retardant and free of toxicity.

### • Alarm mark

Alarm mark is uniquely designed for MINI data loggers which can help user know every out-of-limit alarm during the logging.

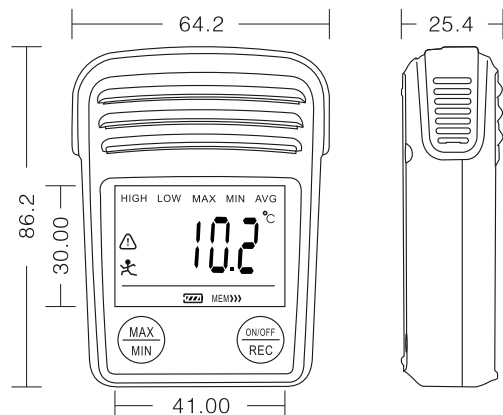
## Naming Convention

# MINI - TH-DP-15

Abbreviation	Measuring Object	LED	Memory Size
TH	Temperature+Humidity	DP Display	15 15,000(TH)
T	Temperature	NP No display	30 30,000(TH/T)
THCO <sub>2</sub>	Temperature+Humidity+Carbon Dioxide		60 60,000(T)
			20 20,000(THCO <sub>2</sub> )
			10 10,000(THCO <sub>2</sub> )

Mini stands for the small size that this kind of data logger features.

## Dimensions (Unit:mm)





## MINI-TH

MINI Data Logger for Temperature and Humidity

### Specifications

- Large-screen display of temperature and humidity, with battery, memory, recording status show together
- High precision, mass memory for long-term logging
- Free of toxicity and halogen as FDA/HACCP/ISO22000 require
- Resistant to water and dust, suitable for cold chain systems of fresh food, fruit, vegetables or wine.
- Available Mini data logger with no LCD, for more redundant working temperature.



Compact Size



Low Cost



Alarm Mark



USB



Environmental



Key Operation

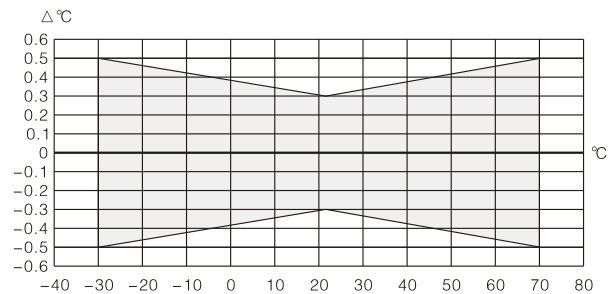
Measuring Data	
T Measuring range	-30°C~70°C, -40°C~85°C(With no LCD)
T Accuracy	± 0.5°C, ± 0.3°C(High-precision version)
T Resolution	0.1°C/ °F
H Measuring range	0% ~ 100%RH
H Accuracy	± 3%RH(10%~85%) ± 5%(other range)
	(Testing Environment 23°C ± 2°C)
	± 2.0%RH(High-precision version)
H Resolution	0.1%RH

General	
Memory size	15,000 /30,000 units
Alarm	High level and low level
	Display+beep+backlight, support alarm mark
Logging interval	2seconds~24hours
Start with delay time	1~120seconds
Start mode	Key operation
	Start immediately/ delay start/ timing start
End mode	Key operation
	Full/ FIFO/ timing end
Interface	Mini USB2.0
Battery	3.6V lithium battery × 1
Battery lifetime	1 year
IP class	IP60
Storage temperature	-50°C~90°C
Software	ANALYSIS 3

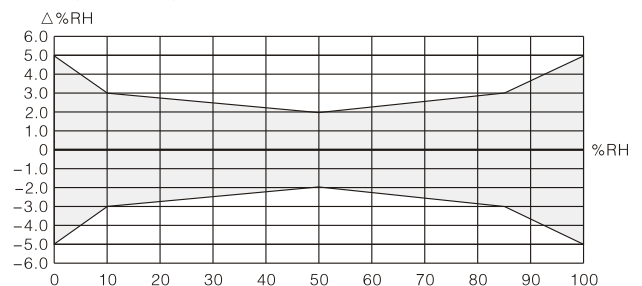
Sensing Probe	
Model	Internal

General Features	
Dimensions	86.2 × 64.2 × 25.4mm
LCD display area	41 × 30mm
Housing	ABS+PC, flame-retardant, toxicity and halogen free
Weight	85g

### Temperature Accuracy



### Humidity Accuracy



\*Alarm mark: A symbol shows up on the screen when one or more alarms happen during the logging.