

DM series can be indicated and stored the data of temperature & humidity and analyze the data management connecting a PC, in case of modem type, it can be always observed.

## Ordering codes

Type	Modem	Input	Channel	Sensor	Alarm	Contents		
DM	1					None		
						Yes		
	10			1			1CH(Temperature)	
				2			2CH(CH1:Temp.,CH2:Temp.)	
		20			2			2CH(CH1:Temp.,CH2:Humidity)
					30			1CH(CH1:4-20mA)
				2			2CH(CH1:4-20mA, CH2:4-20mA)	
				0			Internal Type	
				1			External Type	
					0		None	
				1		With Alarm		



- **Data Keeping**  
Memory(SRAM)  
For battery exchange: within 15min. • **Mounting type**  
For wall tapestry & desk top
- **Power supply**  
Battery : DC6V(SIZE AA DC1.5V 4EA)  
Adapter for Power : DC6V Over 10)
- **Consumable current**  
Operation : About Less 2.1 (DC6V)  
Spare consumable current : Less about 1.0mA (DC6V)
- **Life of Battery**  
During operation :About 45days  
System off : About 100days
- **Weight**  
About 250g (Inside battery)

## Specifications

### Input Type

Type	Sensor	Temp'(CH1)/Humidity(CH2)	Temp'(CH1) Temp'(CH1, 2)	4-20mA(CH1) 4-20mA(CH1,2)
Internal	Temp'	0 ~ 60.0°C	0 ~ 60°C	0~100.0 %(Fixed) to the external input
	Humidity	30.0 ~ 90.0 %(5 ~ 50.0°C)		
External	Temp'	-20.0 ~ 80.0°C	20.0 ~ 80.0°C	
	Humidity	30.0 ~ 95.0 %(5 ~ 50.0°C)		
Accuracy	Temp'	±0.5 %	±0.5 %	±0.25 %
	Humidity	30.0 ~ 95.0 %(5 ~ 50°C)±3 ~ 5%RH		

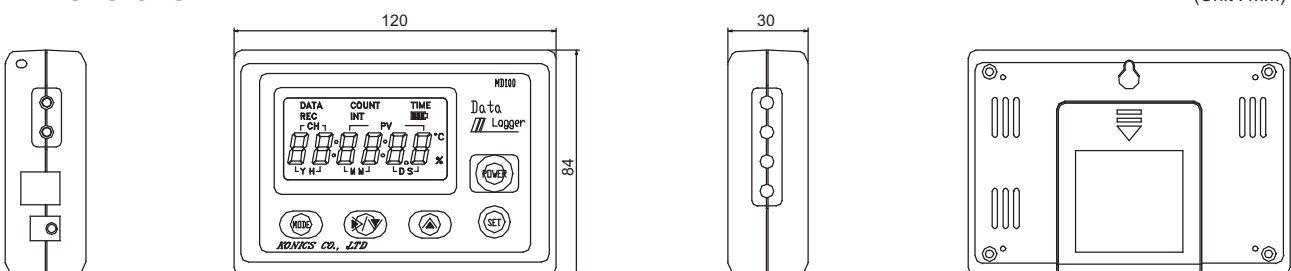
- **Input-Temperature(CH1)**  
Temperature(CH 1, 2)  
Temperature(CH 1), Humidity(CH 2)  
4-20(CH 1)4-20(CH 1, 2)
- **Measuring interval of input**  
500 ms
- **Indicating interval**  
250 ms
- **Display**  
Year, Month, Date, Hour, Min, Sec.  
Display of Measuring value by channel  
Display of saving data(Managing point value)  
Display of status in instrument
- **Data Saving**  
Saving interval : 1~3600 Sec. (60Min)  
Saving capacity : 2Hr~90 days (For use adapter)  
2Hr~45 days (For use battery)  
Saving times : 7200 times/CH
- **Ambient environment**  
Operation :-10 ~ 60°C / 10 ~ 90 %  
Storage :-20 ~ 70°C / 5 ~ 95 %

## Functions

- **Saving of measurement data**
- **Intervals of data**  
It is able to set from 1 to 3600 second (60minutes).
- **Communication (DM100 series)**  
Type :RS232  
CSpeed:1200,2400,4800,9600BPS  
Connecting unit : 1 unit
- **Data Modem (DM200 series)**  
Speed : 1200BPS, 2400BPS
- **Alarm function**  
1 contact/channelDEAD BAND function
- **Display of present time**
- **Selection of channel indicating**
- **Automatic indicating-off**  
Turn off in case of doesn't use the key for 10minutes  
and Turn on when operation.
- **Management point**
- **System On/Off**
- **Software for PC**  
486 or Higher IBM compatible PC  
Space for Hard disk : Over 20 MBOver 16 MB  
memoryEnvironment : WINDOWS 95/98/NT

## Dimensions

(Unit : mm)



### Options

- Alarm

It is necessary to mounted prepared module when use the alarm function. (Confirm when place the order.)

### Components

- 1 unit of body
- Battery(SIZE AA DC1.5 V 4 EA) : 1Set
- Adapter for AC110/220 V (Over DC6V /10mA output) : 1ea
- Cable for communication (about 1m) & related software : 1 Set
- Sensor for external installation : 1 Pair(About 1.5m)
- 3.5" Datum v1.0 software diskette
- DB9M/DB25F serial adapter : 1ea
- In case of external sensor mounted
- Module for Alarm (Option) : 1 Set
- Instruction Manual : 1

### Name of Parts

Data and Message display

