HYGROMETER SELECTION GUIDE

Few quick steps to select the hygrometer/humidity meter you need!

Step 1	Step 2	Step 3	Step 4	Step 5	Recommendation	Page in catelog	EB
Probe	Parameters	PC	Logging	Portable or Desktop	Model #	Page #	
Detachable	Humidity Temp.	yes	no	Portable	8721	51	
			yes	Portable	9851, 9651	55	
		no	no	Portable	8723	51	
Integrated	Humidity Temp. IR Thermo	yes	no	Portable	8857	50	V
	Humidity Temp. K thermocouple	yes	no	Portable	8736, 8746	52	V
	Humidity Temp. T probe	no	no	Portable	8726	53	
	Humidity Temp.	no	no	Portable	8716, 8706	53	V
			no	Portable	8706N 8708, 8709 8701, 8703, 8705	53 57 58	V
			no	Desktop	87791, 87792	56	
		yes	yes	Desktop	87798, 87799	28	V
			yes	Desktop	88162	23	V
		Bluetooth	yes	Desktop	88362	20	V

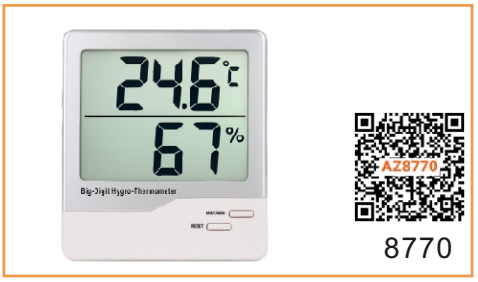


HYGRO-THERMOMETER

NEW



8773



8770



8771



8772



8774

Big display Hygro-Thermometer 8770/8771/8772/8773/8774

- ■Simultaneously display humidity and temperature
- ■Big display designed for desktop and wallmount
- ■Designed with capacitance humidity sensor to get accurate and quick reading
- ■Easy self-calibration by optional salt kits
- ■Features of each models:

	Sensor	Cal.	Dew Point	Time Stamp	Buzzer Alarm	LED Alarm	MAX/MIN	Reset	Metric/ Imperial	Low Battery
8770	1, IN						●	●	●	●
8771	1, IN			●	●		●	●	●	●
8772	2, IN &OUT						●	●	●	●
8773	1, OUT	●	●		●	●	●	●	●	●
8774	1, IN	●	●		●	●	●	●	●	●

Model	8770	8771	8772	8773	8774
Temp. range	-10.0~60.0°C (14.0~140.0°F)				
Temp. resolution	0.1°C/°F				
Temp. accuracy	+/-0.6°C(+/-1.8°F)				
Humidity. range	1%RH~99%RH				
Humidity resolution	1%RH				
Humidity accuracy	±3%RH(at 25°C, 20~80%RH), ±5%RH (at 25°C , 10~20%, 80~90%RH). others not specified				
Dew point range				-36.0~60.0°C (-32.8~140.0°F)	
T_{63} Response time	2 minutes typical				
Probe size (mm)			14.4(dia)*42.4(L)		
Probe cable length (mm)			900	457	
Meter dimension(mm)	99(W)*109(L)*20(T)				
LCD size (mm)	77(L)*59(W)				
Storage temp.	0~50°C				
Storage RH%	Humidity < 90%, avoid condensation				
Power supply	2pcs AAA				
Battery life time	8 months				
Weight	170 g				
Standard Package	Meter/Battery/Manual/Paper box				
Application	Office	Office	Lab./Ind.	Lab./Ind.	Lab./Ind.

Ordering Code

VZ8770NL, Reg. use hygrometer
VZ8771NL, Reg. use hygrometer w/clock
VZ8772NL, Hygrometer w/ IN&OUT sensor
VZ8773NL, Hygrometer w/OUT Sensor and DP
VZ8774NL, Hygrometer w/DP
VZ0033AZ1&VZ0075AZ1, salt bottle set

Optional



CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
For 8773 Calibration use

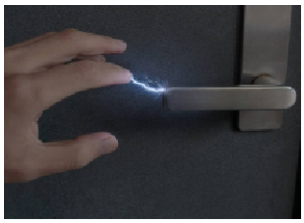
BIG DISPLAY HYGRO-THERMOMETER 8770/8771/8772/8773/8774

What is the application of Dew Point Temperature?

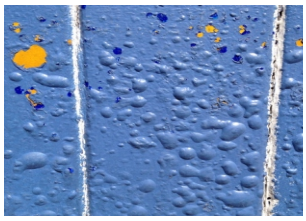
- In summer or high humidity season, identifies and warns when conditions for mold growth exist
- In winter or low humidity season, identifies and warns when conditions for static electricity exist
- Air temperature and dew point temp. indicate where condensation may occur
- Monitor conditions in laboratories, basement and other controlled environment settings



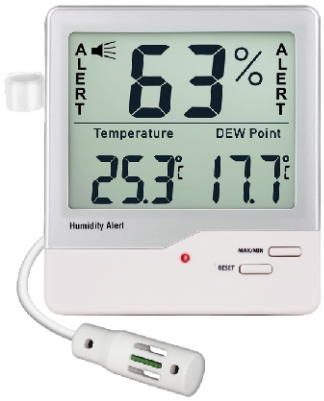
Mold growth

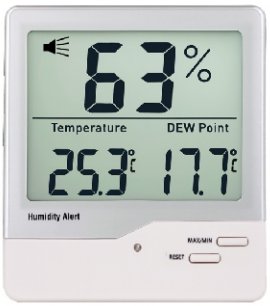


Static electricity



Painting condensation





Why Monitor Outdoor Humidity?

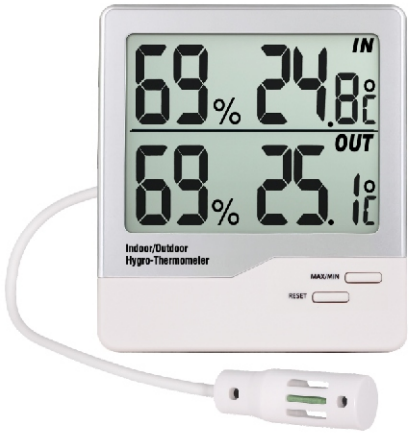
• Stay Comfortable & Safe
Know how humidity affects the real feel of heat or cold, and prevent heat stress or dehydration.

• Improve Health Awareness
Helps manage asthma, allergies, and other respiratory issues, especially in dry or damp conditions.

• Smarter Indoor Air Control
Avoid bringing in excess moisture—adjust ventilation or dehumidifiers based on outdoor conditions.

• Better Plant & Garden Care
Make informed watering decisions and reduce the risk of mold or plant diseases.

• Protect Homes & Equipment
High humidity accelerates mold, rust, and wood damage —early detection helps prevent costly repairs.





Stay Safe



Health Awareness



Indoor Air Control



Protect Equipment



Handheld Infrared Thermometer w/ Hygrometer 8857

■The most popular IR+humidty two in one meter to get air temp./surface temp. /Humidity/wet bulb temp./dew point temperature
■To get the temp. difference between dew point temp.& surface temp. in a click
■Quick and accurate IR response time:500ms
■Gear damper device for sensor protection
■IR emissivity value adjustable 0.3~1.0
■Built-in laser beam (670nm) for targeting

Metric/ Imperial | Auto Power Off | Low Battery | Backlight | PC Link







USB CABLE & SOFTWARE
P/N: VZUSBAZM

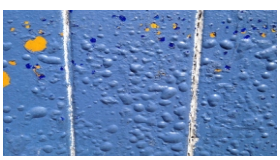
Software & USB driver could be downloaded from website for free.

Model	8857
IR Temp. range	-40~500°C
IR Temp. resolution	0.1°C/°F
IR Temp. accuracy (Which is greater)	+/-2%or2°C at -20~200°C, others is +/-3%or3°C
Temp. range	-20~50°C
Temp. resolution	0.1°C/°F
Temp. accuracy	+/-0.6°C
Humidity range	0.1%RH~99.9%RH
Humidity resolution	0.1%RH
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%RH)
Dew Point temp	-68~49.9°C
Wet Bulb temp	-21.6~49.9°C
IR Repeatability	+/-1°C
Emissivity	0.3~1.0 adjustable
D:S ratio	8:1
LCD size	44(W)x26(H)mm
Operating temp.	0~50°C
Operating RH%	Humidity < 80%
Storage temp.	-20~50°C
Storage RH%	Humidity < 90%
Dimension	70x50x175mm
Weight	140g
Battery	AAA battery x 4pcs
Optional	Software&cable kit
Standard Package	Meter/Battery/Manual/Carry case

Ordering Code
VZ8857AZ, 8857 meter
VZUSBAZM, USB software kit

***Available for EB project**

What is the application of Dew Point Temperature?
- In summer or high humidity season, identifies and warns when conditions for mold growth exist
- In winter or low humidity season, identifies and warns when conditions for static electricity exist
- Air temperature and dew point temp. indicate where condensation may occur
- Monitor conditions in laboratories, basement and other controlled environment settings



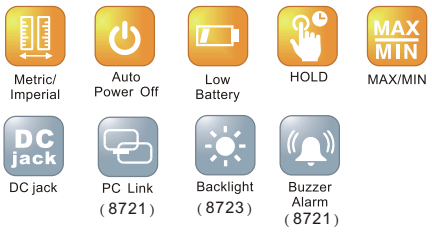






Remote Humidity Probe Hygrometer 8721/8723

- ■Simultaneously dual display temperature and humidity
- ■Easy-to-read big LCD display
- ■Remote probe for extending measurement
- ■Easy humidity self-calibration by optional salt kits





Model	8721	8723
RS232 interface	YES	N/A
HI/LO alarm setting	YES	N/A
Backlight	N/A	YES
RH sensor type	Capacitance	Capacitance
Temp. range	-20~50°C	-10~60°C
Temp. resolution	0.1°C/°F	0.1°C/°F
Temp. accuracy	+/-1°C	+/-0.6°C
Humidity. range	0.1%RH~99.9%RH	
Humidity resolution	0.1%RH	0.1%RH
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%)	
Dew point range	-50~50.0°C	-68~49.9°C
Wet bulb range	N/A	-13.4~59.9°C
Response time	60 seconds typical	
LCD size (mm)	29(H)x42(W)	26(H)x44(W)
Operation temp.	0~50°C	
Operation RH%	Humidity < 80%	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm)	180(L)x67(W)x30(H)	175(L)x70(W)x33(H)
Weight	~110g	~150g
Battery	9V x 1pc	AAA x 4pcs
Probe	872P	872P
Standard Package	Meter/Probe/Battery/Manual/Carry case	
Optional Accessory	Software CD& cable/Calibration kits	

Optional



HUMIDITY PROBE
P/N:VZ872PAZ
FOR #8721/8723
Size: 14dia x216mm(l)
Cable: 50cm (extended to 1.5M)



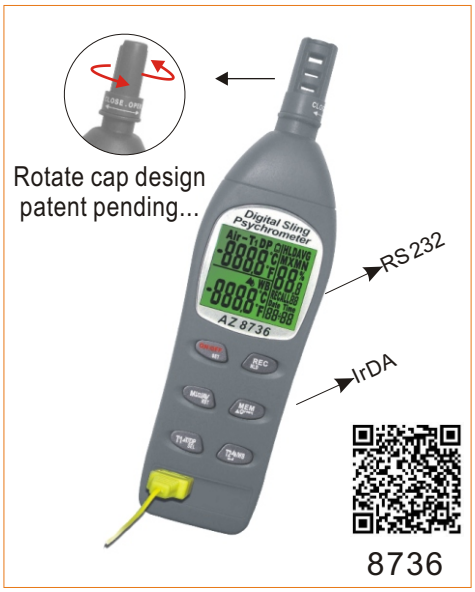
USB CABLE & SOFTWARE
P/N: VZUSBAZM
Software & USB driver could be downloaded from website for free.

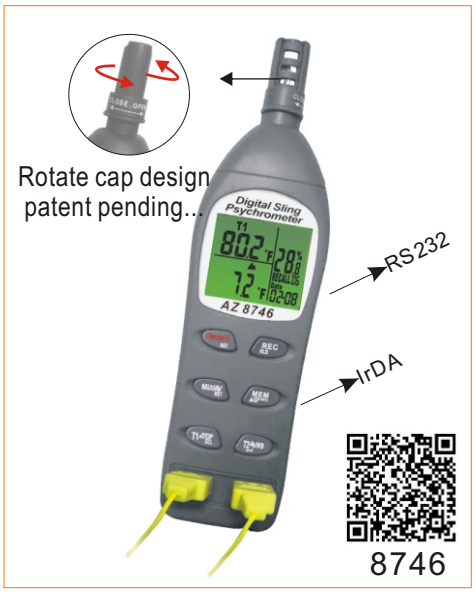


CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
For 872Pprobe
Calibration use

Ordering Code
VZ8721AZ, 8721meter
VZ8723AZ, 8723meter
VZ872PAZ, replacement humidity probe
VZUSBAZM, USB software kit
VZ0033AZ1&VZ0075AZ1, salt bottle set

HYGRO-THERMOMETER







Pocket hygro-thermometer with K thermocouple 8736/8746

- ■Simultaneously display temp./humidity/k thermocouple temperature
- ■One button to get dew point & wet bulb temperature
- ■Designed with capacitance humidity sensor to get accurate and quick reading
- ■K thermocouple for high temperature checking
- ■Easy humidity self-calibration by optional salt kits
- ■IrDA output for data downloading



Model	8736	8746
Temp. range	-20~50°C	
Temp. resolution	0.1°C/°F	
Temp. accuracy	+/-0.6°C	
Humidity. range	0.1%RH~99.9%RH	
Humidity resolution	0.1%RH	
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%RH)	
Dew point range	-78.7~50.0°C	
Wet bulb range	-21.6~50.0°C	
Response time	60 seconds typical	
K temp. range & res.	-200~1370°C & 0.1°C	
K temp. accuracy	+/-(0.3%+0.7°C)	
LCD size (mm)	32(H)x39(W)	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm)	57x230x44(H)	
Weight	~110g	
Battery	AAA x 4pcs	
Standard Package	Meter/K bead thermocouple /Battery/ Manual/Paper box	
Optional Accessory	Software CD& cable/Calibration kits/Custom made K thermocouple/ #9660/ #9680	

Optional



K BEAD TYPE THERMOCOUPLE
P/N:VE60A000 (1M long)
P/N:VE60A0YK (4M long)
Temp. Range: -50~200°c
Other custom made probes : immersion, penetrate, Surface.....etc are available Upon request



USB CABLE & SOFTWARE
P/N: VZUSBAZMN
Software & USB driver could be downloaded from website for free.

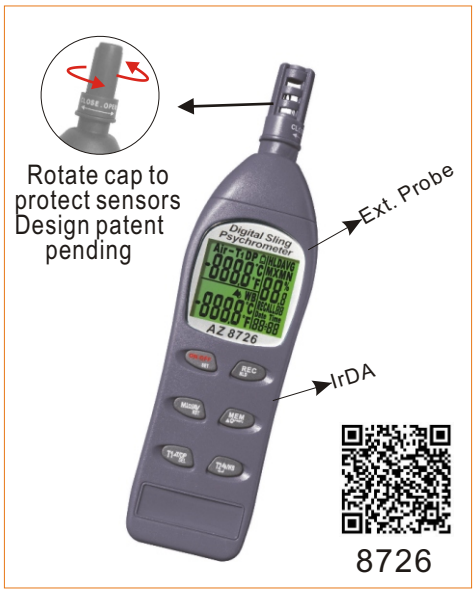


CAL. SALT BOTTLE
P/N:VZHR33AZ (33%)
P/N:VZHR75AZ (75%)
FOR CALIBRATION PURPOSE.

Ordering Code
VZ8736A0, 8736 meter
VZ8746A0, 8746 meter
VE60A000, Type K Probe
VE60A0YK, Type K Probe
VZUSBAZMN, USB software kit
VZHR33AZ&VZHR75AZ, salt bottle set

***Available for EB project**

2026.09 V3.2









Pocket Hygro-Thermometer w/probe 8706N/8706/8716/8726

- ■Simultaneously display temp./RH/external probe temp.
- ■Dew point & wet bulb temp.is also available in one click
- ■Designed with capacitance humidity sensor to get accurate and quick reading
- ■Easy self-calibration by optional salt kits
- ■8726 additionally features AVG./Temp. Differ/Backlight/ 99 memories/memory statistics/real time/IrDA output
- ■8716 features Temp. difference display

Metric/ Imperial | Auto Power Off | Low Battery | HOLD | MAX/MIN

Backlight **8726 only**

Model	8706N	8706	8716	8726
Temp. range	-20~50°C			
Temp. resolution	0.1°C/°F			
Temp. accuracy	+/-0.6°C			
Humidity. range	0.1%RH~99.9%RH			
Humidity resolution	0.1%RH			
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%RH)			
Dew point range	N/A	-78.7~50.0°C		
Wet bulb range	N/A	-21.6~50.0°C		
Response time	60 seconds typical			
External temp. range	-20~70°C			
Ext. temp. accuracy	+/-0.6°C(-20~50°C), +/-1.2°C others			
LCD size (mm)	28(H)x33(W)			32(H)x39(W)
Storage temp.	-20~50°C			
Storage RH%	Humidity < 90%			
Dimension(mm)	48.4x178.5x24.7(H)			57x230x44(H)
Weight	~100g			~110g
Battery	AAA x 2pcs			AAA x 4pcs
Standard Package	Meter/Battery/Manual/Paper box			
Optional Accessory	External probe/ calibration kits/#9660/#9680			

Optional



EXTERNAL TEMP. PROBE
P/N: VZ87P6AZ
Color: black
Size:
15cm probe w/handle
Diameter: 3.8mm
Cable:
116cm w/2.5mm jack



CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
For 8706n, 8706, 8716
Calibration use



CAL. SALT BOTTLE
P/N:VZHR33AZ (33%)
P/N:VZHR75AZ (75%)
For 8726 calibration
Purpose.

Ordering Code

VZ8726A0, 8726 meter
VZ8716A0, 8716 meter
VZ8706A0, 8706 meter
VZ8706NA0, 8706N meter
VZ87P6AZ, temp. Probe
VZ0033AZ1&VZ0075AZ1, salt bottle set
VZHR33AZ&VZHR75AZ, salt bottle set

***Available for EB project**



8762



87601



8760

Wet Bulb Dry Bulb Hygrometer 8760/87601/8762

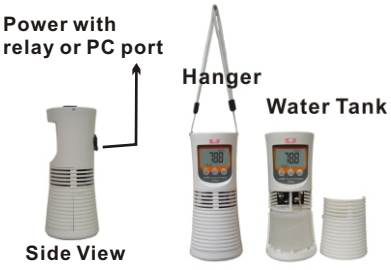
- Excellent for green house, high humidity, harsh & dusty environment. Condensation caused by water/ pesticide/ fertilizer spray and dust scrap have very limited effect on humidity reading.
- Designed with two thermistor sensors to get accurate & quick temperature & humidity reading by using dry bulb & wet bulb principle
- Built-in fan to speed up the response time to 2 mins
- Dual color LED indicator for logging and alarm
- Humidity self-calibration is not required





Model	8762	8760	87601
Temp. range	5~50°C		
Temp. resolution	0.1°C/°F		
Temp. accuracy	+/-0.6°C		
Humidity. range	0.1%RH~99.9%RH		
Humidity resolution	0.1%RH		
Humidity accuracy	+/-3%(10~100%RH@25°C), the rest is +/-5%		
Response time	120 seconds typical		
LCD size (mm)	25(H)x40(W)		
Memory	100 points	100 points	16000 points
PC download	NO, manually recall	NO, manually recall	YES
Relay	YES	NO	NO
Operation temp.	5~50°C		
Operation RH%	Humidity < 100%		
Storage temp.	0~50°C		
Storage RH%	Humidity < 80%		
Water Tank Refill Time	Every two weeks		
Dimension(mm)	48.4x178.5x24.7(H)		
Weight	~250g		
Battery	AAA x 4pcs or 5V adaptor		
Standard Package	Meter/Water tank/ Battery/Manual/Paper box /Cotton thread		
Optional Package	5V universal adaptor software cable & CD (87601 only)		





Ordering Code *Bulk order only*

VZ8762AZ, 8762 hygrometer
VZ87601AZ, 87601 hygrometer
V8760AZ, 8760 hygrometer
VZ12405AZ, 5V universal adaptor
VZUSBNLD, software kit w/USB cable for 87601
VW38819A, a relay output wire for 8762



Hygrometer Datalogger
9651

■Measuring&recording humidity and temperature
3 measurement modes:
-single point measurement
-manual record up to 99 points
-automatically record up to 12000 points
■Automatic recording is programmable
■Uploading pre-edited header from PC to meter

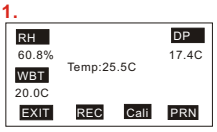


Auto Power Off | Manual Logging | Auto Logging | Low Battery | Memory Recall

PC Link | Backlight | DC jack | Dot matrix LCM | Tripod Hole

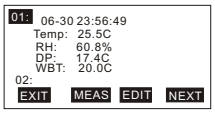
Three measurement modes

1.



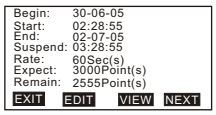
Example:
9651 single point measurement

2.



Example:
9651 manually record

3.



Example:
Logging function in processing



Model	9651
PC interface	YES
Backlight	YES
RH Sensor type	Capacitance
Temp. range	-20~50°C
Temp. resolution	0.1°C/°F
Temp. accuracy	+/-0.6°C
Humidity. range	0.1%RH~99.9%RH
Humidity resolution	0.1%RH
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%)
Dew point range	-78.7~50.0°C
Wet bulb range	-21.6~50.0°C
Response time	60 seconds typical
LCD size (mm, HxW)	26(H)x45(W)mm
Operating temp.	0~50°C
Operating RH%	Humidity < 80%
Storage temp.	-20~50°C
Storage RH%	Humidity < 90%
Dimension(mm,LxWxT)	170x70x40(H) mm
Weight	210g
Battery	AAA battery x 4pcs or 9V adaptor
Standard Package	Meter, temp.&RH% probe, battery, manual , PC cable , hard carry case
Optional Accessory	RH probe, calibration kits

Optional



HUMIDITY PROBE
P/N:VZ872PAZ
SIZE: 14DIA X216MM(L)
Cable: 50cm (extended to 1.5M)



CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
FOR 872P CALIBRATION

Ordering Code

VZ9651AZ, 9651 logger
VZ872PAZ, replacement humidity probe
VZ0033AZ1&VZ0075AZ1, salt bottle set

HYGROMETER LOGGER/PRINTER





Hygrometer Logger
w/o printer:9651
w/ printer:9851

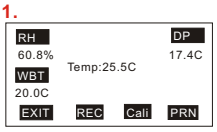
■Measuring&recording humidity and temperature
3 measurement modes:
-single point measurement
-manual record up to 99 points
-automatically record up to 12000 points
■Built-in printer to print anytime, anywhere
■Automatic recording is programmable
■Uploading pre-edited header from PC to meter



Model	9851	9651
PC interface	YES	
Backlight	YES	
RH Sensor type	Capacitance	
Temp. range	-20~50°C	
Temp. resolution	0.1°C/°F	
Temp. accuracy	+/-0.6°C	
Humidity. range	0.1%RH~99.9%RH	
Humidity resolution	0.1%RH	
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%)	
Dew point range	-78.7~50.0°C	
Wet bulb range	-21.6~50.0°C	
Response time	60 seconds typical	
LCD size (mm, HxW)	26(H)x45(W)mm	
Operating temp.	0~50°C	
Operating RH%	Humidity < 80%	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm,LxWxT)	208x70x53(H) mm	170x70x40(H) mm
Weight	260g	210g
Battery	AA battery x 4pcs or 9V adaptor	AAA battery x 4pcs or 9V adaptor
Standard Package	Meter, temp.&RH% probe, battery, thermo paper, manual , software CD & cable , hard carry case	
Optional Accessory	External probe, spare thermo paper , calibration kits	

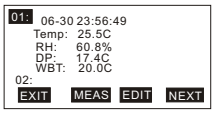
Three measurement modes

1.



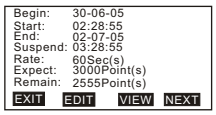
Example:
9851 single point measurement

2.



Example:
9851 manually record

3.



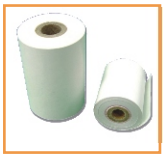
Example:
Logging function in processing



Ordering Code *Bulk order only*

VZ9851AZ, 9851 logger & printer
VZ9651AZ, 9651 logger
VM69811B, thermo paper
VZ872PAZ, replacement humidity probe
VZ0033AZ1&VZ0075AZ1, salt bottle set

Optional



SPARE THERMO PAPER
P/N: VM69811B
SIZE: 38MM X 20M X 30@



HUMIDITY PROBE
P/N:VZ872PAZ
SIZE: 14DIA X216MM(L)
Cable: 50cm (extended to 1.5M)



CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
FOR 872P CALIBRATION

HYGRO-THERMOMETER



87791



87792



Desktop & wallmount



Indoor & outdoor temp.



Air & cabinet temp.

Desktop Temp./Humidity Monitor with alarm function 87791/87792

- ■Simultaneously display/record Temperature & Humidity
- ■Check vapor condensation risk through DP temperature
- ■One year long battery life via alkaline battery
- ■LED/Audiable alarm threshold of each parameters are programmable
- ■Real time display (hour & minute, am/pm)
- ■87791:RH/T/Dew point monitor
  87792:RH/T/External Temperature monitor

Metric/ Imperial | Time Stamp | Low Battery | MAX/MIN

LED Alarm | Buzzer Alarm

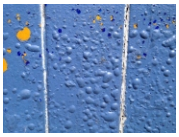
Model	87791	87792
Temp. range	0~50°C (Display: -10.0~70.0°C)	
Temp. resolution	0.1°C/°F	
Temp. accuracy	+/-1°C	
Humidity. range	20~90%RH (Display:0%~99.9%RH)	
Humidity resolution	0.1%RH	
Humidity accuracy	+/-5%RH (at 25°C, 10~90%RH, others +/-7%RH)	
Dew point temp. Range	-20~70°C	N/A
External temp. Range	N/A	-10~70°C (Display: -30~70°C)
External temp. resolution	N/A	0.1°C/°F
External temp. accuracy	N/A	+/-0.6°C (0~50°C),+/-1.2°C(-10~0°C, 50~70°C) No specified for -30°C~-10°C
External probe size	N/A	Dia.3.8mm x Length:25mm
External probe cable	N/A	2M long, material: PVC
Beeper (dB)	~65dB	
RH% Self calibration	YES, via salt chamber	
Power consumption	<0.11mA	
LCD size (mm)	63(H)x70(W)	
Operation temp.	0~50°C	
Operation RH%	Humidity < 90%	
Storage temp.	-10~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm)	110x91x30(H)	
Weight	~200g	
Power	AA x3pcs	
Standard Package	Meter/Manual/Paper box	

What is Dew Point (DP)?

The dew point temperature is the temperature at which the air can't hold all of its water vapor and some of the water vapor must condense into liquid water. Condensation of water vapour begins when the temperature of air is lowered to its dew point and beyond.

What is the application of Dew Point?

- In summer or high humidity season, identifies and warns when conditions for mold growth exist
- In winter or low humidity season, identifies and warns when conditions for static electricity exist
- Air temperature and dew point temp. indicate where condensation may occur
- Monitor conditions in laboratories, basement and other controlled environment settings





Ordering Code

VZ87791AZ, 87791 monitor
VZ87792AZ, 87792 monitor



Japan & Taiwan Patented

87798



87799



SD card slot



Desktop & wallmount



Air & cabinet temp.



5V UNIVERSAL ADAPTOR
P/N:VZ12405A
Input:100~240 VDC
Output:5VDC, 0.6A
4 plugs included:US/UK/EU/AU

Ordering Code

VZ87797AZ, 87798 logger
VZ87799AZ, 87799 logger
VZ12405A, 5V universal adaptor

Available for EB project

Desktop Temp./Humidity Monitor with SD Card Logging 87798/87799

- ■Simultaneously display/record Temp. and Humidity
- ■ Advanced SD card design for continuous recording
- ■Check vapor condensation risk through DP temperature
- ■Long battery life (via alkaline battery)
  -no logging: one year -logging: one month (rate:1min, 1G SD card)
- ■LED/Audiable alarm threshold of each parameters are programmable
- ■87798:Dew point monitor 87799:External T monitor

Metric/ Imperial | Time Stamp | Low Battery | MAX/MIN | Auto Logging | TXT

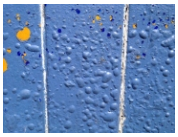
DC jack | SD card | LED Alarm | Buzzer Alarm

Model	87798	87799
Temp. range	-10.0~70.0°C	
Temp. resolution	0.1°C/°F	
Temp. accuracy	+/-1°C	
Humidity. range	0%~99.9%RH	
Humidity resolution	0.1%RH	
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%RH)	
Dew point temp. Range	-20~70°C	N/A
External temp. Range	N/A	-10~70°C (Display: -30~70°C)
External temp. resolution	N/A	0.1°C/°F
External temp. accuracy	N/A	+/-0.6°C (0~50°C),+/-1.2°C(-10~0°C, 50~70°C) No specified for -30°C~-10°C
External probe size	N/A	Dia.4mm x Length:25mm
External probe cable	N/A	2M long, material: PVC
SD card	SD card or SDHC card (MMC and SDXC cards are not compatible)	
Sampling rate	1 to 720 mins. Default:10 mins	
Beeper (dB)	~65dB	
RH% Self calibration	YES, via salt chamber	
Power consumption	<0.4mA	
LCD size (mm)	63(H)x70(W)	
Operation temp.	0~50°C	
Operation RH%	Humidity < 90%	
Storage temp.	-10~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm)	110x91x30(H)	
Weight	~200g	
Power	AA x3pcs or 5V adaptor	
Standard Package	Meter/adaptor/Manual/Paper box/SD card	

What is Dew Point (DP)?
The DP is the temperature at which the air can't hold all of its water vapor and some of the water vapor must condense into liquid water. Condensation of water vapour begins when the temp. of air is lowered to its dew point and beyond.

What is the application of Dew Point?

- In summer or high humidity season, identifies and warns when conditions for mold growth exist
- In winter or low humidity season, identifies and warns when conditions for static electricity exist
- Air temperature and dew point temp. indicate where condensation may occur
- Monitor conditions in laboratories, basement and other controlled environment settings







Pen Type Hygro-Thermometer 8708/8709

- ■Simultaneously display temperature and humidity
- ■Easy-to-read dual LCD display
- ■Designed with capacitance type RH IC sensor to get quick response
- ■Easy self-calibration by optional salt kits (8709 only)
- ■Pocket clip design for easy carry around







8708

Model	8708	8709
Temp. range	-10~50°C	-20~50°C
Temp. resolution	0.1°C/°F	0.1°C/°F
Temp. accuracy	+/-1°C	+/-1°C
Humidity. range	5%~95%RH	0%~100%RH
Humidity resolution	0.1%RH	0.1%RH
Humidity accuracy	±3%RH(at 25°C, 20~80%RH), ±5%RH (at 25°C , 10~20%, 80~90%RH). others not specified	
Dew point range	N/A	N/A
Wet bulb range	N/A	N/A
Response time	60 seconds typical	
Self calibration	N/A	YES
Battery life	>150 hours	
LCD size (mm)	18(H)x29(W)	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm)	175x42x16(H)	
Weight	~55g	
Battery	CR2032 x 1pc	
Standard Package	Meter/Battery/Manual/Paper box	
Optional Accessory	N/A	Calibration kits



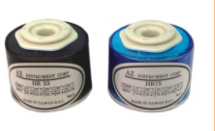


Ordering Code

VZ8708AZ, 8708meter
VZ8709AZ, 8709meter
VZ0033AZ1&VZ0075AZ1, salt bottle set

***Available for EB project**

Optional



CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
For 8709
Calibration use



8701



8703



8705

Ordering Code
VZ8701AZ, 8701meter
VZ8703AZ, 8703meter
VZ8705AZ, 8705meter

Pocket Type Hygro-Thermometer 8701/8703/8705

- ■Simultaneously display temperature and humidity
- ■Easy-to-read dual LCD display
- ■Designed with capacitance type humidity sensor to get accurate and quick reading
- ■Sensor cap to protect sensor
- ■Pocket clip design for easy portable around
- ■8703 features dew point temperature display
  8705 features dew point & wet bulb temperature display


Metric/ Imperial


Auto Power Off


Low Battery



MAX/MIN


HOLD



Model	8701	8703	8705
Temp. range	-10~50°C	-20~50°C	-20~50°C
Temp. resolution	0.1°C/°F	0.1°C/°F	0.1°C/°F
Temp. accuracy	+/-1°C	+/-1°C	+/-1°C
Humidity. range	5%~95%RH	0%~100%RH	0%~100%RH
Humidity resolution	0.1%RH	0.1%RH	0.1%RH
Humidity accuracy	+/-4%RH at 25°C	+/-3%RH (at 25°C, 10~90%RH, others +/-5%RH)	
Dew point range	N/A	-68.5~50°C	-78.7~50°C
Wet bulb range	N/A	N/A	-21.6~50°C
Response time (Seconds. Typical)	80	60	60
Self calibration	N/A	N/A	N/A
Battery Life	>500 hours		
LCD size (mm)	18(H)x29(W)		
Storage temp.	-20~50°C		
Storage RH%	Humidity < 90%		
Dimension(mm)	170x48.5x16.5(H)		
Weight	~75g		
Battery	AAA x 2pcs		
Standard Package	Meter/Battery/Manual/Paper box		





Hygro-thermometer







Pen type hygro-thermometer 8718/19/20

- SIMULTANEOUSLY DISPLAY TEMPERATURE AND HUMIDITY
- EASY-TO-READ DUAL LCD DISPLAY
- 8720 FEATURES DEW POINT & WET BULB TEMPERATURE DISPLAY. NO CHART REFERENCE IS NEEDED
- DESIGN WITH CAPACITANCE TYPE RH SENSOR TO GET ACCURATE AND QUICK READING
- MAXIMUM / MINIMUM AND RESET FUNCTION
- TEMPERATURE UNIT °C/°F SELECTABLE
- HOLD FUNCTION TO FREEZE CURRENT READING
- EASY SELF-CALIBRATION BY OPTIONAL SALT KITS (8719/20 ONLY)
- BATTERY LOW INDICATOR
- SLEEP MODE CAN BE DISABLED
- TUNABLE SENSOR CAP (DESIGN PATENTED) TO PROTECT SENSOR
- PACKET CLIP DESIGN FOR EASY PORTABLE AROUND

Model	8718	8719	8720
Temp. range	-10~60°C	-20~60°C	-20~60°C
Temp. resolution	0.1°C/°F		
Temp. accuracy	+/-0.6°C		
Humidity. range	5%~95%RH	0%~100%RH	0%~100%RH
Humidity resolution	0.1%RH		
Humidity accuracy	+/-3%RH (at 25°C, 10~90%RH, others +/-5%RH)		
Dew point range	N/A	N/A	-20~59.9°C
Wet bulb range	N/A	N/A	-5.0~59.9°C
Response time	60 seconds typical		
Self calibration	N/A	YES	YES
Power consumption	<2.0mA		
LCD size (mm)	18(H)x29(W)		
Storage temp.	-20~50°C		
Storage RH%	Humidity < 90%		
Dimension(mm)	175x42x16(H)		
Weight	~55g		
Battery	CR2032 x 1pc		
Standard Package	Meter/Battery/Manual/Paper box		
Optional Accessory	Calibration kits		

Optional



CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
FOR 8719/8720
CALIBRATION USE