



Step 1
Completely programmable by users

Step 2
Leave it in any place.

Step 3
Press Start key 5 seconds to activate

Step 4
Press Stop key 5 seconds to stop. You may press "Mark" to make bookmark

Step 5
Press key to review max. & min. value of logged data.

Step 6
Plug into PC to generate PDF and Excel report.

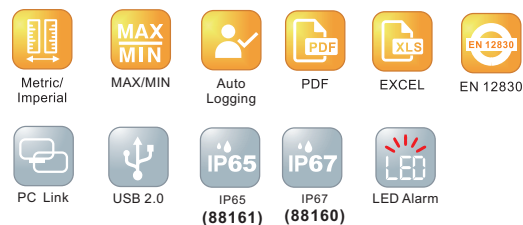
Ordering Code
VZ88160AZ, 88160 logger
VZ88161AZ, 88161 logger (w/o probe)
VZ87P6AZ1, Temp. Probe for 88161
VZ87P6AZ2, Temp. Probe for 88161
VZ87P6AZ3, Vaccine Temp. Probe for 88161

*Available for EB project



USB Temperature logger w/PDF report 88160/88161

- Upgraded to 9 month battery life time
- Plug & Play. PC software and driver are not required
- Automatically generate PDF/Excel report. Report contains summary, graph and detailed data
- Completely user re-programmable: 6 languages, sampling interval, start delay, alarm delay, unit, alarm range, alarm type, password and user name
- One key operation to know leftover battery life time



Model	88160	88161
Temp. range	NTC thermistor, -30~70°C , -22~158°F	
Temp. resolution	0.1°C , 0.1°F	
Temp. Accuracy	+/-0.5°C	
Ext. Temp. range	NTC thermistor, -30~70°C , -22~158°F	
Ext. Temp. resolution	0.1°C , 0.1°F	
Ext. Temp. Accuracy	+/-0.5°C	
Sampling points	48000 readings	24000 Int. and 24000 Ext.
Meter size	110(L)*45(W)*17(T) mm	
Operating temp.	-30~70°C (Logging status); room temp.(PC mode)	
Operating RH%	Humidity < 90%	
Storage temp.	-40~85°C	
Storage RH%	Humidity < 90%	
Weight	~50g	
Battery	2PC 3.0V CR2032 9 months life time while alarm function is OFF 3 months life time while alarm function is ON	
Sampling interval	30 seconds, 5, 10, 30, 60, 90, 120 minutes	
Start delay	0, 5, 30, 45, 60, 90, 120 minutes and 24 hours	
Alarm range	Programmable from -30 to 70°C	
Alarm delay	0, 5, 30, 45, 60, 90, 120 minutes	
Alarm type	Single Event, Cumulative, Disable	
Operation keys	3 Keys (Start/Stop key & Mark key & Count key)	
LED indicator	REC, High / Low alarm	
Standard package	Logger, batteries, manual, paper box	
Optional accessory	VZ87P6AZ1 or VZ87P6AZ2 or VZ87P6AZ3 external temp. Probe	



EXTERNAL TEMP. PROBE
 P/N: VZ87P6AZ1
 Color: Black
 Size: 15cm stainless probe w/handle
 3.8mm diameter probe
 Cable: 116cm W/3.5mm Jack



EXTERNAL TEMP. PROBE
 P/N: VZ87P6AZ2
 Color: black
 Size: 2cm stainless probe w/o handle
 3.8mm diameter probe
 Cable: 200cm w/3.5mm jack



VACCINE STORAGE PROBE
 P/N: VZ87P6AZ3
 Vial: Empty transparent glass
 Color: black
 Size: 2cm stainless probe w/o handle
 3.8mm diameter probe
 Cable: 200cm w/3.5mm jack

Please fill glycol (car antifreeze) locally