



Optimize
lyophilization by
thermal analysis!



Ordering Code

VZ88164AZ, 88164 logger (w/ probe)

VZ88164PAZ, RTD probe

VZ88164PAZ1, RTD probe for vaccine storage

*Available for EB project



APL ASIA CO., LTD. Authorized Distributor
Address: 11/229-132 Moo.5 Lamliukka Rd.,
T.Kookut, A.Lamliukka, Pathumthani 12130 Thailand.
TEL: 0-2995-4461-4
Website: www.apl-asia.com
EMAIL: sales@apl-asia.com
LINE@: GAPP-ASIA

Ultra low temperature logger w/PDF report 88164

- Plug & Play. PC software and driver are not required
- External RTD pt1000 probe for ultra low temperature, such as lyophilization
- 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	88164
Temp. range	NTC thermistor, -30.0~70.0°C , -22.0~158.0°F
Temp. resolution	0.1°C , 0.1°F
Temp. Accuracy	+/-0.5°C
Ext. Temp. range	Pt1000 sensor, -100.0~120.0°C , -148.0~248.0°F
Ext. Temp. resolution	0.1°C , 0.1°F
Ext. Temp. Accuracy	+/-0.5°C
(While logger is located in 10~40°C place)	
Sampling points	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 3months life time
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, VZ88164PAZ external temp. Probe batteries, manual, paper box
Optional accessory	VZ88164PAZ1 Vaccine temp. Probe



EXTERNAL TEMP. PROBE

P/N: VZ88164PAZ
Color: black silicon cable
Size: 2cm stainless probe w/o handle
5mm diameter probe
Cable: 200cm w/3.5mm jack



VACCINE STORAGE PROBE

P/N: VZ88164PAZ1
Vial: Empty transparent glass
Color: black silicon cable
Size: 2cm stainless probe w/o handle
5mm diameter probe
Cable: 200cm w/3.5mm jack

Please fill glycol (car
antifreeze) locally