



Combo CO_2 &CO& TEMP. Logger
w/o humidity:77596
w/ humidity:77597

- Upgraded to meet EN 50543:2011 requirement
- Portable meter to check/record indoor air quality: CO_2,CO, temperature, humidity, dew point& wet bulb
- Designed with high accuracy NDIR (non-dispersive infrared) waveguide technology CO_2 sensor
- Designed with fast response electrochemical CO sensor
- Manual calibration is available for CO_2/CO/RH%
- 32000 or 24000 logging memory for #77597 and #77596
- Manual pressure compensation for CO_2 sensor



Model	77597	77596
Measuring range		
CO2	0~9999 ppm,	0~9999 ppm,
CO	0~1000 ppm,	0~1000 ppm,
Temperature	-20~60°C (-5~140°F)	
Relative Humidity	0.1%~99.9%RH	N/A
DP(Dew point temp.)	-20.0~59.9°C	N/A
WB(Wet bulb temp.)	-5.0~59.9°C	N/A
Resolution	1ppm , 0.1°C/°F, 0.1%RH	
Accuracy		
CO2	±30ppm±5% of reading(0~5000ppm) Other range is 10% of reading	
CO	+/-3 ppm ≤20ppm, +/-5 ppm ≤100ppm +/-10% or reading for 101~500 ppm +/-20% of reading for 501ppm and above	
Temperature	±0.6°C/±0.9°F	
Relative Humidity	±3%RH (at 25°C, 10~90%RH) ; ±5%RH (at 25°C , other range)	
CO2 Warm-up time	30 seconds	
Response time		
CO2	<30 seconds(90% step change)	
CO	<60 seconds(90% step change)	
Tair	<2 mins (90% step change)	
RH	<10 minutes (90% step change)	
LCD / Meter size (mm)	26(H)x44(L), 205(L)x70(W)x56(H)	
Operating condition (avoid condensation)	-20 to 50 °C (CO2 sensor),0 to 50 °C (CO sensor) -20 to 60 °C (for the rest parameters)	
Storage condition	-20~ 60°C,10~90%RH(avoid condensation)	
Power supply	AA x 4pcs or 9V adaptor	
Battery life	> 24 hours (Alkaline battery)	
IP Rating	IP40	
EMC	EN 50270:2015	
Weight	200g	
Standard package	Meter, manual ,AA bat. , USB cable &CD, carry case	



Included!

Optional



CAL. SALT BOTTLE
P/N:VZ0033AZ1(33%)
P/N:VZ0075AZ1(75%)
FOR 77597
CALIBRATION USE



9V UNIVERSAL ADAPTOR
P/N:VZ109BAZ
100~240VAC INPUT
9V OUTPUT
for 77597/77596

Ordering Code

VZ77597AZ, 77597 logger
VZ77596AZ, 77596 logger
VZ109BAZ, 9V universal adaptor
VZ0033AZ1+VZ0075AZ1, RH calibration

Available for EB project

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