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CO2 METER

Model : GC-2028

ISO-9001, CE, IEC1010



Local Enterprise of Global Age



CO2 METER

Model : GC-2028

FEATURES	
NDIR method principal for CO2 (Carbon dioxide)measurement, available for long term operation	
High repeatability and high accuracy	
Separate probe, easy operation and convenient for remote measurement	
CO2 function with alarm setting	
Large S-TN LCD, high contrast, easy readout	
Data hold function for freezing the desired value on display	
Records Maximum and Minimum readings with Recall	
RS232/USB computer interface	
Microprocessor circuit assures maximum possible accuracy, provides special functions and features	
Heavy duty & compact housing with hard carrying case, designed for easy carry out & operation	
Auto shut off is available to save battery life	
Power supply from batteries or DC 9V adapter in	

GENERAL SPECIFICATIONS	
Circuit	Custom one-chip of microprocessor LSI circuit
Display	LCD size: 52 mm x 38 mm dual function LCD display
Measurement	CO2 (Carbon dioxide), Temp
Unit	Ppm
Response Time	< 2 min. typically. @ Reach the 63% reading value @ Depend the environment air circulation
CO2 altitude compensation setting	0 to 9,000 meters
Temperature Compensation	Automatic temp. compensation
Advanced setting	CO2 altitude value setting
	CO2 alarm value setting / setting °C
	Auto power off enable/disable setting
Alarm setting	For CO2 measurement only.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Display Sampling Time	Approx. 1 second.
Power off	Auto shut off saves battery life or manual off by push button.

Data Output	RS 232/USB PC serial interface *Connect the optional RS232 cable UPCB-02 will get the RS232 plug *Connect the optional USB cable USB-01 will get the USB plug
Operating Temperature	0 to 50 °C
Operating Humidity	Main instrument : Less than 85% R.H
	CO2 probe : Less than 85% R.H
Power Supply	DC 1.5 V battery (UM3, AA) x 6 PCs, or equivalent
Power Current	Approx. DC 9.6 mA for 90% period.Approx. DC 128 mA for 10% period
Weight	Main instrument: 372 g/0.82 LB.@ Battery is included
	CO2 probe : 158 g/0.35 LB
Dimension	Main instrument :173 x 68 x 42 mm(7.9 x 2.7x 1.2 inch)
	CO2 Probe : 185 x 38 x 26 mm
Accessories Included	Instruction manual.....1 PC CO2 probe.....1 PC Hard Carrying case.....1 PC
Optional Accessories	RS232 cable, UPCB-02 USB cable, USB-01 Data Acquisition software, SW-U801-WIN

ELECTRICAL SPECIFICATIONS (23±5 °C)

CO2 (Carbon dioxide)

CO2(Carbon dioxide)23 + 5 °C	Range	0 to 4,000 ppm
	Resolution	1 ppm
	Accuracy	±40 ppm * 1,000 ppm. °C
		± 5% of reading * > 1,000 ppm 3,000 ppm °C
Repeatability	±250 ppm typically * > 3,000 ppm, reference only	
	± 20 ppm * 3,000 ppm °C	
Temperature	Range	0 to 50 , 32 to 122 °C
	Resolution	0.1 degree
	Accuracy	- 0.8 °C