

# CARBON MONOXIDE METER

NEW



## High Accuracy CO Meter w/IR output 7702

- Designed to meet CNPG and EN50543 standards
- Precision carbon monoxide sensor up to 3ppm accuracy
- Long life and reliable electrochemical CO sensor
- Carbon monoxide audible alert is adjustable up to 200 ppm, preset at 15ppm
- Manual zeroing feature to cancel background influence
- Calibratable at 0,100 and 400ppm CO standard gas
- IR output to external printer for real time receipt printing



Precision electrochemical CO sensor built-in



Real-time measurement data to be printed on an infrared (IR) printer, providing a hard copy for record-keeping with signature authentication.

**Ordering Code**  
**VZ7702AZ, 7702 meter**  
**VZ88998NL, 88998 IR printer**

Model	7702
CO Range	0~1000 ppm
Resolution	1 ppm
Accuracy (at 20±5°C, 50±20%RH)	+3ppm at 0~20ppm; +5ppm at 21~100ppm +10% at 101~500ppm; +20% at 501~1000ppm
T <sub>90</sub> response time	within 60 seconds
TA Range	-20.0~60.0 °C (-5.0~140.0°F)
Resolution	0.1 °C /°F
Accuracy	±0.6°C at 5~40°C; ±1.0°C at others ±1.0°F at 41~104°F; ±1.8°F at others
T <sub>90</sub> Response time	within 120 seconds
CO Warm up time	30 seconds
Real time display	YES. 24H/AM/PM hh:mm:ss , MM-DD-YY
LCD size (mm, HxW)	26x44
Operating condition	0~50°C , 10~90% RH (avoid condensation)
Storage condition	-20~ 60°C, 10~90%RH(avoid condensation)
Power supply	4pcs AA batteries
Battery Life	700 hours (<1.4mA while backlight is off)
Meter size (LxWxH,mm)	205x 70 x 56
Weight	163g
Standard package	Meter, manual, AA batteries, hard carry case
Optional accessory	Portable IR printer- model 88998

### CO level affects human health

ppm	Symptoms and applicable standard	ppm	Symptoms and applicable standard
0-1	Normal background levels	100	Remove employees from enclosed space if the CO concentration exceeds 100ppm per OSHA exposure limit.
9	Maximum indoor air quality level: Maximum allowable concentration per ASHRAE Residential standards 62-1989 for living area.	200	Mild headache, fatigue, nausea and dizziness w/i 2-3 hrs.
25	Maximum limit 8 hrs of continuous exposure per California OSHA workplace standards.	400	Frontal headache, life threatening after 3hrs. Maximum concentration in flue gas per the US EPA and AGA standards.
35	Maximum 8 hrs average exposure level per US OSHA workplace standards.	800	Dizziness, nausea, convulsions, death w/i 2-3 hrs.
50	Maximum concentration for continuous exposure in any 8 hrs average level per OSHA standards.	1600	Nausea w/i 20 min., death w/i 2-3 hrs

# HIGH ACCURACY CO METER W/IR OUTPUT Model :7702

The **Centre National d'Expertise des Professionnels de l'Énergie Gaz (CNPGE)** is a French organization specializing in expertise, training, and certification for professionals in the energy and gas sector.



The **NF P45-500** is a French standard that outlines the procedures for conducting safety diagnostics of interior gas installations in residential buildings.

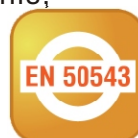
The **NF X50-010** is a French standard that defines the characteristics and conditions for maintenance subscription contracts for domestic gas-fired boilers with a useful output of 70 kW or less



**EN 50543** is a European Standard that specifies the requirements for the construction, testing, and performance of electronic portable and transportable apparatus designed to detect and measure carbon dioxide (CO<sub>2</sub>) and/or carbon monoxide (CO) in indoor ambient air.



Model 7702 is designed to meet requirement of NF P45-500 and NF X50-010 which are major technical foundation for CNPGE's audits and evaluations. In addition to this, model 7702 meets the design requirement of EN 50543 which is commonly used in EU and worldwide.



Equipped with a high-precision electrochemical CO sensor, it ensures rapid response times. The unique auto temperature compensation feature of the CO sensor guarantees reliable and accurate measurements.

The manual zeroing feature eliminates background influence, allowing users to accurately identify the source of a leakage.

With a single button, users can record up to 99 points measure results for future reference.

Data is transmitted wirelessly to a IR printer, allowing it to be printed as hardcopy records for documentation.



An essential tool for complying with local regulations and ensuring safety around boilers and gas equipment, whether in public or residential settings.

