

Carbon Monoxide – (CO) is a lethal poison produced when certain fuels are burned. It can rapidly accumulate even in areas that might appear well ventilated. Because CO is colorless, tasteless, odorless and non-irritating, it can overcome an exposed person without warning. Recognizing early warning signs of CO poisoning is sometimes difficult because early symptoms of CO exposure (headache, dizziness, nausea) are nonspecific and may be mistaken for symptoms of other illnesses and frequently produce weakness and confusion, depriving a person of the ability to seek safety.



## **C071A CO Detector**

- Extended sensor life
- Detects CO levels from 0 to 999 ppm
- Tri-color LED warning indicates
- 3 concentration levels
  - LED blinks GREEN when CO is 2-9 ppm
  - LED blinks AMBER when CO is 10-35 ppm
  - LED blinks RED with an Audible Alert at 34 ppm indicating dangerous CO levels
- MAX/CAPTURE continually updates highest CO reading
- Auto Zero activates upon turn on
- Backlit display

**Also included in this  
Data Sheet**

**C091, C091KIT**



The CO71A monitors, records, and alerts you to the presence of dangerous carbon monoxide in ambient air. The visual display constantly indicates precise quantities while the audible and visual alarms respond to various threshold levels.

**CO71A**

*Functions*

- CO detection to 999 ppm

*Features*

- Long life CO sensor
- Preset alarms
  - 3-color warning light
  - Audible alert
- MAX capture
- Low battery indicator
- Backlit display
- One button auto zero
- Three year limited warranty (Five year expected sensor life)



*Includes*

- Holster
- 9V Battery

*Specifications*

**Exposure to CO: Important Numbers To Remember:**

- 9 PPM Max allowable exposure for living area (ASHRAE standard)
- 35 PPM Max exposure for 8 hr work day (OSHA)
- 800 PPM Symptoms within 45 minutes - Death within 2 to 3 hrs
- 12,800 PPM Death within 1-3 minutes

<b>Range:</b>	0 - 999 ppm
<b>Resolution:</b>	1 ppm
<b>Accuracy:</b>	±(3% of reading + 1 ppm)
<b>Visual:</b>	LCD and LED
<b>Alarms</b>	<b>Visual:</b>
	Green 2 - 9 ppm
	Yellow 10 - 34 ppm
	Red >35 ppm
	<b>Audible:</b>
	>35 ppm increasing frequency w/concentration
<b>Battery:</b>	9V standard alkaline
<b>Ambient Temp:</b>	32° to 104°F (0° to 40°C)

*Accessories & Replacement Parts*

**Temperature Probes (CO91)**

- ATT29A** K Type Thermocouple (-40° to 950°F / -40° to 510°C)
- ATT100** 6" Liquid Probe and handle (-40° to 950°F / -40° to 510°C)
- ATTPC** K Type Pipe Clamp Adapter (Wrap Style)
- ATTPC2** K Type Pipe Clamp Adapter (Grip Style)
- ATTEXT** 10' K Type Extension

ATTEXT



ATT29A



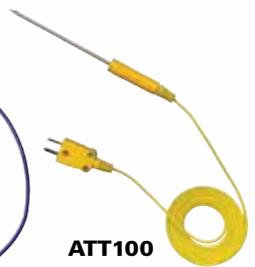
ATTPC2



ATTPC



ATT100



The CO91 is used to check ambient CO levels, find leaks along flue pipes, or measure CO concentration in flue gas from furnaces or residential combustion appliances. The CO91 also measures temperature for various testing needs and has a CO MAX capture function for CO.

### CO91

- Measures CO to 1999ppm
- Measure Temperature

- DMM style selector
- Measure Ambient CO or concentration of CO in flue gas
- CO MAX Capture
- CO Accurate to 5% of reading
- Auto Zero at power up
- Link to optional infrared printer
- Three year warranty (Two years on sensor)



- Flue Probe
- ATT100 K Type temperature probe
- AC75 Soft Carrying Case
- 4 "AA" Batteries

Parameter	Resolution	Accuracy	Range	Dimensions	Weight
<b>Temperature Measurement</b>				<b>Handset</b>	2.2lb / 1 kg
Temperature:	1.0°F/C	±5.0°F (2.0°C) ±0.3% reading	32-1112°F 0-600°C	<b>Probe</b>	7.9" x 1.8" x 3.5" (200mm x 45mm x 90mm)
<b>Gas Measurement</b>				<b>Ambient Operating Range</b>	L 11.8" x Dia .25"/7.8" long stainless steel shaft (300mm x 6mm/200mm)
Carbon Monoxide	1 ppm	±10 ppm<100 ppm* ±5% of rdg>100 ppm	0-1999 ppm	<b>Battery Life</b>	32° to 104°F (0° to +40°C)
				<b>AC adapter (optional)</b>	10% to 90% RH non-condensing 4 "AA" cells >8 hours using Alkaline AA cells
					Input: 110V AC Output: 9V DC regulated 500mA minimum

### Replacement Parts & Accessories (CO91)

- AACA4** AC Adapter
- KMIRP2** Thermal printer with Infrared link
- SM11103** Inlet tube/Probe connector
- 16646** Thermal printer paper
- 17631** Particle filter
- SM11103PACK** Inlet tube/Probe connector 10 pack
- 16646PACK** Thermal printer paper 10 pack
- 17631PACK** Particle filter 10 pack

17631



16646



SM11103



AACA4



KMIRP2



# KITS & RELATED PRODUCTS



## CO91KIT

### Kit Includes

- CO91** CO Meter
- KMIRP2** Infrared Printer
- ATT70** K Type Temperature Probe
- AACA4** AC Adapter
- SM11103** Inlet tube/Probe connector (replacement)
- AC75** Soft Carrying Case
- Replacement Filter and Thermal Paper**

The CO91KIT combines the most commonly used test instruments in a convenient foam lined carrying case, protecting the instruments while keeping them readily available for testing needs. Check ambient CO levels, find leaks along flue pipes, or measure CO concentration in flue gas from furnaces or residential combustion appliances. Link to the infrared printer to print and document test results, including the date and time.

Perform adjustments to the appliance, and then recall the highest level of CO with the CO Max function. With the temperature function you are able to test register outlet temperatures, or monitor stack gas temperature.



**CD100A**  
Combustible Gas  
Leak Detector (L336)



**CD200**  
Combustible Gas  
Leak Detector (L336)



**EM151**  
Single Input  
Electronic Manometer (L335)

## CAN'T FIND WHAT YOU ARE LOOKING FOR?...

UEi offers a full line of HVAC/R and Combustion Testing equipment. We have grouped our products specifically to make it easy to find what you're looking for. Here are a few related products and data sheets. For a complete list visit: [www.ueitest.com](http://www.ueitest.com)

Product Part # .....	Order Lit. #
<b>Combustion &amp; Environmental Catalog</b> .....	<b>L330</b>
<b>Pressure Testers (SSM1, EM151, EM201)</b> .....	<b>L335</b>
<b>Combustible Leak Detectors (CD100A, CD200)</b> .....	<b>L336</b>
<b>Refrigerant Leak Detectors (RLD15, RLD10)</b> .....	<b>L337</b>

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