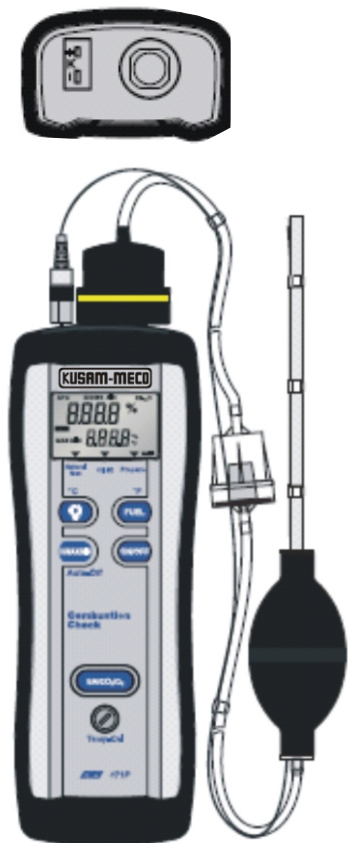


## COMBUSTION CHECK GAS ANALYSER

### Model - KM 5410



#### Features :

- ⊙ Display : 4digit liquid crystal display(LCD) with maximum reading of 9999.
- ⊙ Low battery indication: The "E" is displayed when the battery voltage drops below the operating level.
- ⊙ Hand-pump with filter to isolate dirt and particles.
- ⊙ Thermocouple offset adjustment  $\pm 3^{\circ}\text{C}$  ( $6^{\circ}\text{F}$ ).
- ⊙ Automatic power off battery saver.
- ⊙ 2 channel display(LCD).
- Display Back-Light.
- ⊙ **Analyzer Directly Measures:**
  - Flue Gas Oxygen Content in %
  - Flue Gas Temperature in  $^{\circ}\text{F}$  or  $^{\circ}\text{C}$
- ⊙ **Analyzer Computes:**
  - When the measured oxygen level is below 17.9%.
  - Flue Gas Carbon Dioxide content in %
  - Excess Air in %(0 to 400%)
  - Flue Natural Gas/Oil #2/Propane in %

#### Oxygen

- **Oxygen Range** : 0 to 25%
- **Accuracy** :  $\pm 0.3\% \text{O}_2$  (Calibrated at  $72^{\circ}\text{F}$ ,  $20.9\% \text{O}_2$ )
- **Max Overload** : 30% Oxygen
- **Oxygen Sensor operational temperature range** :  $-4^{\circ}\text{F}$  to  $122^{\circ}\text{F}$
- **Response time** : Under 2 minutes.

#### SPECIFICATIONS :

<b>Accuracy</b>	Stated accuracy at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ , $< 75\% \text{ R.H.}$
<b>Sensor Type</b>	Highly accurate Oxygen sensor.
<b>Operating environment</b>	$0^{\circ}\text{C}$ to $50^{\circ}\text{C}$ at $< 75\% \text{ R.H.}$
<b>Storage temperature</b>	$-20^{\circ}\text{C}$ to $60^{\circ}\text{C}$ , 0 to 80% R.H with battery removed from meter.
<b>Temperature Coefficient</b>	0.1 times the applicable accuracy per $^{\circ}\text{C}$ from $0^{\circ}\text{C}$ to $18^{\circ}\text{C}$ & $28^{\circ}\text{C}$ to $50^{\circ}\text{C}$ ( $32^{\circ}\text{F}$ to $64^{\circ}\text{F}$ & $82^{\circ}\text{F}$ to $122^{\circ}\text{F}$ )
<b>Battery</b>	9V.
<b>Auto Shut off</b>	After 15 minutes.
<b>Battery life</b>	20 hours(continuity) typical.
<b>Temperature</b>	<b>Range</b> : $-50^{\circ}\text{C}$ to $538^{\circ}\text{C}$ ( $-58^{\circ}\text{F}$ to $1000^{\circ}\text{F}$ )
	<b>Resolution</b> : $0.1^{\circ}\text{C}/0.1^{\circ}\text{F}$
	<b>Accuracy</b> : $\pm [0.6\%, +3^{\circ}\text{F}(1.7^{\circ}\text{C})]$ after field calibration.
	<b>Sensor Type</b> : K-type thermocouple, 48 inches long(wire only), with wrap tab plug, fiberglass insulation.
	<b>Range</b> : $-50^{\circ}\text{F}$ to $900^{\circ}\text{F}$ (continuous operation range) up to $1000^{\circ}\text{F}$ (single exposure use)
	<b>Accuracy</b> : ( $\pm 4^{\circ}\text{F}$ ) on $-50^{\circ}\text{F}$ to $545^{\circ}\text{F}$ ( $\pm 0.75\%$ ) on $545^{\circ}\text{F}$ to $1000^{\circ}\text{F}$
<b>Dimensions</b>	220mm(H) x 65mm(W) x 35mm(D).
<b>Weight</b>	Approx. 395g (including battery)

All specifications are subject to change without prior notice.