Series CA-6100 CA-CALC™ Combustion Analyzer Specifications*

Carbon Monoxide (CO) Models CA-6110, CA-6130, CA-6140

Range:.....0–2000 ppm (9999 ppm max)
Accuracy:.....0–100 ±5 ppm or 10% of reading
100–2000 ±10 ppm or 5% (greater of)
Resolution: .....1 ppm
Response Time: .....<30 seconds to 90% of step change

Oxygen (O2) Models CA-6120, CA-6130, CA-6140

Range:.....0–25%
Accuracy:.....±0.3% O2
Resolution: 0.1% O2
Response Time: .....<30 seconds to 90% of step change

Flue/stack Temperature Models CA-6110, CA-6130, CA-6140

Range:.....32–1800°F (0-1000°C)
Accuracy:.....±2°F (1°C) to 390°F (199°C)
±0.5% of reading >390°F (199°C)
Resolution .....1°F (1°C)

Draft Pressure

Range .....±30" H_2O (±80mbar)
Accuracy:.....±1% of rdg. or 0.01" H_2O (zeroed)
Resolution .....±0.01"H_2O

Supply Air Temperature Probe (optional for Models CA-6120-6140)

Range:.....-40 to 302°F (-40 to 150°C)
Accuracy:.....±2°F (1°C)
±0.5% of reading
Resolution .....1°F (1°C)

Note: These specifications assume the instrument is allowed to stabilize at the operating temperature before being turned on.

*Specifications are subject to change without notice.

Series CA-6203 CA-CalcTM Combustion Analyzer Specifications*

Carbon Monoxide (CO)– H2 compensated
Range:.....0-5000 ppm
Accuracy:.....0–100 ppm ±5 ppm or 10% of reading
100–2000: ±5% of reading
2000–5000: ±10%
Resolution: .....1 ppm
Response Time*:.....<30 seconds to 90% of step change

Oxygen (O2)
Range:.....0–25%
Accuracy:.....±0.3% O_2
Resolution: .....0.1% O_2
Response Time: .....<30 seconds to 90% of step change

Nitric Oxide (NO)
Range:.....0–4000 ppm
Accuracy:.....0–100 ±5 ppm
> 100–1000 ±5% of reading
>1000–4000 ±10% of reading
Resolution: .....1 ppm
Response Time: .....<30 seconds to 90% of step change

Flue/stack Temperature
Range:.....32–1800°F (0-1000°C)
Accuracy:.....±2°F (1°C) to 390°F (199°C)
±0.5% of reading >390°F (199°C)
Resolution .....1°F (1°C)

Draft Pressure
Range .....±30”H_2O (±80mbar)
Accuracy:.....±1% of rdg. or 0.01” H_2O (zeroed)
Resolution .....±0.01”H_2O

Supply Temperature (optional)
Range:.....-40 to 302°F (-40 to 150°C)
Accuracy:.....±2°F (1°C)
±0.5% of reading
Resolution .....1°F (1°C)

***Note**: These specifications assume the instrument is allowed to stabilize at the operating temperature before being turned on.*
*****With a 7’ sampling tube length and water trap***

*Specifications are subject to change without notice. Specification giving lowest accuracy is applied.

Series CA-6210 thru CA-6216 CA-CALC™ Combustion Analyzer Specifications*

Carbon Monoxide (CO)– H2 compensated All Models
Range:.....0-5000 ppm
Accuracy:.....0–100 ppm ±5 ppm or 10% of reading
100–2000: ±5% of reading
2000–5000: ±10%
Resolution: .....1 ppm
Response Time***: .....<30 seconds to 90% of step change

Oxygen (O2*) All Models
Range:.....0–25%
Accuracy:.....±0.3% O2
Resolution: 0.1% O2
Response Time**: <30 seconds to 90% of step change

Nitric Oxide (NO) Models CA-6211, CA-6213, CA-6214, CA-6215
Range:.....0–4000 ppm
Accuracy:.....0–100 ±5 ppm
> 100–1000 ±5% of reading
>1000–4000 ±10% of reading
Resolution: .....1 ppm
Response Time**: .....<60 seconds to 90% of step change

Nitrogen Dioxide (NO2) Models CA-6215, CA-6216
Range:.....0–500 ppm
Accuracy:.....0–100 ±5 ppm
> 100–200 ±5% of reading
>200–500 ±10% of reading
Resolution: .....1 ppm
Response Time**: .....<40 seconds to 90% of step change.

Sulfur Dioxide (SO2) Models CA-6213, CA-6216
Range:.....0–4000 ppm
Accuracy:.....0–200 ±5 ppm
> 200–1000 ±5% of reading
>1000–4000 ±10% of reading
Resolution: .....1 ppm
Response Time**: .....<40 seconds to 90% of step change.

Carbon Monoxide (CO)- High Range Models CA-6212, CA-6214
Range:.....0–2% ppm
Accuracy:.....0–500 ±25 ppm
>500–10000 ±5% of reading
>1%–2% ±10% of reading
Resolution: .....5 ppm
Response Time**: .....<30 seconds to 90% of step change

Flue/stack Temperature
Range:.....32–1800°F (0-1000°C)
Accuracy:.....±2°F (1°C) to 390°F (199°C)
±0.5% of reading >390°F (199°C)
Resolution .....1°F (1°C)

Draft Pressure
Range .....±30”H_2O (±80mbar)
Accuracy:.....±1% of rdg. or 0.01” H_2O (zeroed)
Resolution .....±0.01”H_2O

Supply Temperature (optional)
Range:.....-40 to 302°F (-40 to 150°C)
Accuracy:.....±2°F (1°C)
±0.5% of reading
Resolution .....1°F (1°C)

Note: These specifications assume the instrument is allowed to stabilize at the operating temperature before being turned on.
*****With a 9’ sampling tube length and water trap***

*Specifications are subject to change without notice. Specification giving lowest accuracy is applied.