

Combustion Analyzers

Selection Guide



Si-CA 030



Si-CA 130



Si-CA 230

Parameter	Measuring range	Si-CA 030	Si-CA 130	Si-CA 230
# of Gas Sensors		2 - 3	2 - 3	2 - 6
O ₂	0 to 25%	✓	✓	✓
CO	0 to 8000 ppm	✓	✓	-
CO (H ₂ comp.)	0 to 10,000 ppm	-	-	✓
CO (with dilution)	100 to 50,000 ppm	-	-	✓
CO ₂ (calculated)	0 to 99.9%	✓	✓	✓
NO	0 to 5000 ppm	✓	✓	✓
Low NO	0 to 300 ppm	-	✓	✓
NO ₂	0 to 1000 ppm	-	-	✓
Low NO ₂	0 to 100 ppm	-	-	✓
NOx (calculated)	0 to 7500 ppm	✓	✓	✓
Low NOx (calculated)	0 to 450 ppm	-	✓	✓
SO ₂	0 to 5000 ppm	-	-	✓
Low SO ₂	0 to 100 ppm	-	-	✓
CxHy (HC)	0 to 5%	-	-	✓
H ₂ S	0 to 500 ppm	-	-	✓
Flue temperature	-20 to +1250 °C / -4 to +2282 °F	✓	✓	✓
Air temperature	-20 to +120 °C / -4 to +248 °F	✓	✓	✓
Differential temperature	0 to 1250 °C / 0 to 2282 °F	✓	✓	✓
Pressure/Draft	-200 to 200 mbar / -80 to 80 inH ₂ O	✓	✓	✓
High accuracy draft	-500 to +500 Pa	-	✓	✓
Excess air	0 to 999%	✓	✓	✓
Efficiency	0 to 100% (Gross/HHV)	✓	✓	✓
Efficiency (condensation)	0 to 125% (Net/LHV)	✓	✓	✓
Stack Gas velocity	0 to 99 m/s / 0 to 19,500 fpm	-	✓	✓
Application		Residential/ Light Commercial	Residential/ Commercial	Commercial/ Industrial

Features

Wireless Printer		Optional	Optional	Optional
Field-Replaceable Pre-Calibrated Sensors		-	✓	✓
Real time display of data on the smartphone		✓	✓	✓
PC Software		-	✓	✓
Automatic Data Logging		✓	✓	✓
Rechargeable Battery w/ AC Charger		✓	✓	✓
Color Display Screen		✓	-	-
Color Display Touch Screen		-	✓	✓