



		LPT	LPT-A	LPT-P	LPT-M	LPT-B	CGAS-A	CGAS-D	CGAS Public Spaces	
General	Display	No	Yes - grey border	Yes - white border	Yes - green border	Yes - yellow border	Yes	Yes	Yes	
	Enclosure	ABS /Polycarbonate, black, IP54 with splash guard, copper coated interior to reduce RF interference							ABS /Polycarbonate, low profile, white	
	Internal Buzzer	No	Yes	No	Yes	Yes	No	No	No	
	Communication	Analog	Analog	Digital	Digital	Digital	Analog	Digital	Analog or Digital	
Sensors	No. of Channels (Sensors)	1 channel	1 channel	up to 3 channels (max 2 internal + 1 remote)	up to 3 channels (max 2 internal + 1 remote)	up to 3 channels (max 2 internal + 1 remote)	1 internal channel	1 or 2 internal or 1 remote 1 internal + 1 remote	Analog model: 1 channel Digital model: up to 2 channel	
	Technology	n/a	n/a	n/a	n/a	n/a	Plug & Play Smart Sensor Board	Plug & Play Smart Sensor Boards	Plug & Play Smart Sensor Boards	
	Remote Sensor	No	ESH-A Combustibles	ESH-A Combustibles	ESH-A Combustibles	ESH-A Combustibles	No	ESH-A Combustibles	ESH-B Refrigerants	
	Electrochemical	Ammonia, Carbon monoxide, Chlorine, Nitrogen dioxide, Oxygen, Ozone	Ammonia, Carbon monoxide, Chlorine dioxide, Chlorine, Ethylene, Ethylene oxide, Fluorine, Formaldehyde, Hydrogen, Hydrogen sulphide, Hydrogen chloride, Hydrogen cyanide, Hydrogen fluoride, Nitric oxide, Nitrogen dioxide, Oxygen, Ozone, Phosphine, Silane, Sulfur dioxide	Carbon monoxide, Nitrogen dioxide	Ammonia, Carbon monoxide, Chlorine dioxide, Chlorine, Ethylene, Ethylene oxide, Fluorine, Formaldehyde, Hydrogen, Hydrogen sulphide, Hydrogen chloride, Hydrogen cyanide, Hydrogen fluoride, Nitric oxide, Nitrogen dioxide, Oxygen, Ozone, Phosphine, Silane, Sulfur dioxide	Ammonia, Carbon monoxide, Chlorine dioxide, Chlorine, Ethylene, Ethylene oxide, Fluorine, Formaldehyde, Hydrogen, Hydrogen sulphide, Hydrogen chloride, Hydrogen cyanide, Hydrogen fluoride, Nitric oxide, Nitrogen dioxide, Oxygen, Ozone, Phosphine, Silane, Sulfur dioxide	No	Ammonia, Carbon monoxide, Chlorine, Ethylene, Ethylene oxide, Fluorine, Formaldehyde, Hydrogen, Hydrogen sulphide, Hydrogen chloride, Hydrogen cyanide, Hydrogen fluoride, Nitric oxide, Nitrogen dioxide, Oxygen, Ozone, Phosphine, Silane, Sulfur dioxide	Carbon monoxide, Formaldehyde	
	Solid State	No	Refrigerants R22, R134A, R402A, R404A, R407C, R410A, R422D, R438A, R438A, R507A, TVOCs	No	No	No	No	Refrigerants R22, R134A, R402A, R404A, R407C, R410A, R422D, R438A, R438A, R507A, TVOCs	Refrigerants R404A, R410A, R507A, TVOCs	
	Infrared	No	No	No	No	No	Carbon dioxide	Carbon dioxide	Carbon dioxide	
	Catalytic	No	Internal or Remote: Methane, Propane, Hydrogen	Remote: Methane, Propane, Hydrogen	Remote: Methane, Propane, Hydrogen	Remote: Methane, Propane, Hydrogen	No	Internal or Remote: Methane, Propane, Hydrogen	Internal: Methane	
	PID	No	Remote: TVOCs	Remote: TVOCs	Remote: TVOCs	Remote: TVOCs	No	Internal or Remote: TVOCs	Internal: TVOCs	
Other	n/a	n/a	n/a	n/a	n/a	n/a	Particulates sensor Optional: RH & Temp sensor (shows on display only)	Optional: RH & Temp sensor. Not available with Cl ₂ , ClO ₂ , HCl, HCN, NO ₂ , O ₃ and PH ₃ (sticky gas) sensors or dual channel models except CO	Particulates sensor Optional: RH & Temp sensor	
Electrical	Power Requirement	2-wire / 3-wire: 16 - 30 VDC, 1W, Class 2 4-wire: 12 - 27 VAC, 50-60 Hz, 1VA, Class 2	3-wire: 16 - 30 VDC, 3W, Class 2 4-wire: 12 - 27 VAC, 50-60 Hz, 3VA, Class 2	16-30 VDC, 3W, Class 2	16-30 VDC, 3W, Class 2 12 - 27 VAC, 50-60 Hz, 3 VA, Class 2	16-30 VDC, 3W, Class 2 12 - 27 VAC, 50-60 Hz, 3 VA, Class 2	16-30 VDC, 3W, Class 2 12 - 27 VAC, 50-60 Hz, 3 VA, Class 2	16-30 VDC, 3W, Class 2 12 - 27 VAC, 50-60 Hz, 3 VA, Class 2	16-30 VDC, 3W, Class 2 12 - 27 VAC, 50-60 Hz, 3 VA, Class 2	
	Output	4 - 20 mA	4 - 20 mA or 0 - 10 volt	Modbus® RS-485 RTU	Modbus® RS-485 RTU	BACnet® MS/TP	Analog 4- 20 mA	Modbus® RS-485 or BACnet® MS/TP	Analog or Modbus® RS-485 or BACnet® MS/TP	
	Relay	No	One SPDT, rated 30 V, 2 amp max	No	One SPDT, rated 30 V, 2 amp max	One SPDT, rated 30 V, 2 amp max	No	Optional: One SPDT, rated 30 V, 2 amp max relay. Not available with sticky gas sensors, CO, or dual channel models	Optional: One SPDT, rated 30 V, 2 amp max relay. Not available with dual channel models	
Environmental	Operating Temperature	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-0°C to 50°C (32°F to 122°F)	-0°C to 50°C (32°F to 122°F) Option -LT for low temp operation	0°C to 40°C (32°F to 104°F)	
	Humidity	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	
Certifications		CSA, UL, CE, FCC	CSA, UL, CE, FCC	CSA, UL, CE, FCC, BTL	CSA, UL, CE, FCC	CSA, UL, CE, FCC, BTL	CSA, UL, CE, FCC, BTL	CSA, UL, CE, FCC, BTL	CSA, UL, CE, FCC, BTL	

Note: All CETCI's instruments consist of RoHS compliant circuit boards. * Low Temperature Display Option does not extend the sensor temperature range. BACnet® is a registered trademark of American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE). Modbus® is a registered trademark of Gould Inc. Corporation.