

# Fixed Gas Detection Transmitters



		AST	ATW	DST	LPT	PET	GEM-II
<b>Features Available</b>	Single or Dual Sensor	Single	Single	Single	Single	Single & Dual	Single & Dual
	Remote Sensor	Yes	Yes	Yes	No	Yes	Yes
<b>Options</b>	Display	Yes	No	No	No	Yes	Yes
	Relay	Yes	No	No	No	No	2 Included
	Watertight	Yes	Yes	Yes	Yes (w/ splash guard) <sup>1</sup>	Yes	Yes
	Splash Guard	Yes	Yes	Yes	Yes	Yes	Yes
	Electrochemical	Yes	Yes	Yes	Yes	Yes	Yes
<b>Sensor Technology</b>	Solid State	Yes	No	Yes	No	Yes	Yes
	Catalytic	Yes	No	No	No	No	No
	PID	Yes	No	No	No	No	No
	Power Requirement	12 - 30 VAC or 16 - 30 VDC	12 - 28 VDC	24 VDC supplied by PDC controller	2-wire mode: 16 - 30 VDC 3-wire mode: 16 - 30 VDC 4-wire mode: 12 - 30 VAC or 16 - 30 VDC	24 VDC	15 - 30 VDC or 12 - 28 VAC
<b>Electrical</b>	Current Draw	Approximately 80 - 120 mA	22 mA maximum	80 - 120 mA	25 mA maximum	30 mA; 90 mA (with display)	Approximately 125 mA
	Output	Linear 4 - 20 mA or 0 - 10 VDC signal, jumper selectable.	Linear 4 - 20 mA	Proprietary scaled linear digital signal RS485 communication bus	Linear 4 - 20 mA	BACnet® MS / TP up to 76,800 bps MAC address 0 - 127 DIP switch settable.	Linear 4 - 20 mA (single)
	Wiring	VDC three-conductor shielded VAC four-conductor shielded	Loop powered, 2-conductor, shielded	Daisy chain config only. 16 - 18 gauge stranded, 4-conductor, shielded	VDC two or three-conductor shielded VAC four-conductor shielded	18 gauge, 4-conductor, shielded network wiring (daisy-chained)	VDC three-conductor shielded VAC four-conductor shielded
	Relay	Dry contact SPDT, 2 amps @ 30 V	-	-	-	-	Two (2) dry contact SPDT, 5 amps @ 250 V each
	Fuse	Automatic resetting thermal	Automatic resetting thermal	Automatic resetting thermal	Automatic resetting thermal	Automatic resetting thermal	Automatic resetting thermal
<b>Environmental</b>	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)	Sensor dependant	-20°C to 50°C (-5°F to 120°F)
	Humidity	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 95% RH non-condensing	15 - 90% RH non-condensing	Sensor dependant	15 - 90% RH non-condensing
<b>Certifications</b>	CSA	No	No	No	No	No	Yes
	CE	No	No	No	Pending	Pending	No
	UL	No	No	No	No	No	Yes
	C-Tick	Yes	Yes	No	No	Pending	Yes
	BTL	No	No	No	No	Yes	No

Note: All CETCI's instruments consist of RoHS compliant circuit boards.

<sup>1</sup> Watertight: Use optional splash guard to protect sensor from direct water spray.