



# Critical Environment Technologies

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## DST-S SERIES SPECIFICATION SHEET

### DIGITAL TRANSMITTERS WITH SOLID STATE SENSORS

<b>Dimensions:</b>	<b><u>Standard Enclosure</u></b>	<b><u>Optional Watertight Enclosure</u></b>
	Size: 4.5" x 6.1" x 2.6" (115mm x 155mm x 66mm)	Size: 5" X 5" X 3" (125mm x 125mm x 75mm)
	Weight: 9 ounce (255 g)	Weight: 12 ounces (340 g)
	* Optional duct sampling kits available for duct monitoring	
<b>Construction:</b>	Rugged PVC (with hinged door)	Rugged Polycarbonate (with hinged door)
<b>Sensors:</b>	Type: Temperature compensated, <b>non-specific</b> , solid-state	
	Life span: approximately 5 years	
	Calibration: one to two times per year (application dependent)	
<b>Sensor Range:</b>	Combustible gases 0 – 50% LEL (DST-SCB)	
	Refrigerants 0 – 2000 ppm standard (DST-SR0, DST-SR1, DST-SR2)	
<b>System Power:</b>	24 VDC nominal (approximately 80 to 120 mA current draw)	
<b>Temperature:</b>	-20° C to 40° C -5° F to 104° F	
<b>Humidity:</b>	0 to 90% non-condensing (some drifting will occur from increased humidity)	
<b>Indicators:</b>	LED power, fault, alarm indicator	
<b>Signal:</b>	Digital output signal on RS 485 communication bus, linearized	
<b>Accuracy:</b>	+/- 10% of measured signal (above 35 ppm)	
<b>Cross sensitivity:</b>	Many other gases and especially vehicle exhaust	
<b>Fusing:</b>	Automatic resetting thermal overload fuse (reset capabilities to 500 times)	
<b>Wiring:</b>	Communication - 18 gauge twisted pair, shielded	
	Power – two conductor 14 gauge stranded	
<b>Sensor Mounting:</b>	Varies according to target gas	