



All models in the LPT series of transmitters that come standard with a water / dust tight, corrosion resistant ABS / polycarbonate enclosure with a hinged, secured door. An optional splash guard is also available for water spray or wash down applications.

Automated calibration and other maintenance procedures are simple and easily performed in the field, and our proprietary Calibration Extending Firmware (CEF) takes into account the aging of the sensors so that less frequent calibrations are acceptable in non-critical applications.

The LPT is an economical, single sensor, analog transmitter available with either a carbon monoxide (CO) or nitrogen dioxide (NO₂) sensor which are ideal for vehicle exhaust type applications such as parkades. It features a two-wire loop power, three-wire VDC or four-wire VAC power, 4 - 20 mA linear output signal, automatic thermal resetting fuse, temperature compensation, and visual LED indication for power and fault conditions, all in a RoHS compliant package.

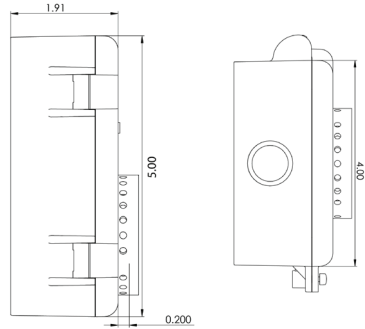
KEY FEATURES

- » Linear 4 - 20 mA output signal
- » Standard water / dust tight enclosure
- » Single sensor: carbon monoxide (CO) or nitrogen dioxide (NO₂)
- » RoHS compliant package
- » 2-wire loop, 3-wire VDC or 4-wire VAC power
- » Easy maintenance
- » Economical
- » Includes sensor CEF (calibration extending firmware)
- » Auto resetting fuse
- » Automated calibration procedure

APPLICATIONS

- » Parking Garages
- » Repair Shops
- » Ice Cleaning Machine Rooms
- » Manufacturing plants
- » Maintenance facilities
- » ... and many more

TECHNICAL DRAWING



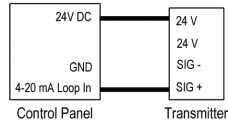
Note: Drawings above are shown with an optional splash guard.

SAMPLE ENGINEERING SPECIFICATIONS

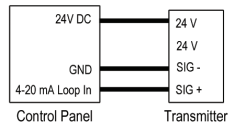
Coming soon...

WIRING

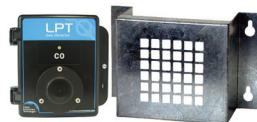
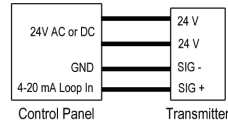
2-Wire Loop



3-Wire VDC



4-Wire VAC



LPT-TCO-5 model, contains a splash guard, is featured with a metal protective guard (picture to left).

TECHNICAL SPECIFICATIONS

GAS TYPE	
Carbon Monoxide (CO)	
Nitrogen Dioxide (NO ₂)	
SENSOR	
Resolution	CO 0.5 ppm NO ₂ 0.02 ppm
Repeatability	CO < 2% of signal NO ₂ < 2% of signal
Response Time (T ₉₀)	CO < 150 seconds NO ₂ < 30 seconds
Cross Sensitivity	CO H ₂ S @ 20 ppm = < 0.1 ppm NO ₂ @ 10 ppm = < 0.1 ppm Cl ₂ @ 10 ppm = < 0.1 ppm NO @ 50 ppm = < 5 ppm SO ₂ @ 20 ppm = < 0.1 ppm H ₂ @ 20°C (68°F) @ 400 ppm = < 60 ppm C ₂ H ₆ @ 400 ppm = < 25 ppm NH ₃ @ 20 ppm = < 0.01 ppm NO ₂ H ₂ S @ 20 ppm = < 40 ppm Cl ₂ @ 10 ppm = 100 ppm NO @ 50 ppm = < 0.5 ppm SO ₂ @ 20 ppm = < -2.5 ppm CO @ 400 ppm = < 0.1 ppm H ₂ @ 400 ppm = < 0.1 ppm C ₂ H ₆ @ 50 ppm = < 0.1 ppm NH ₃ @ 20 ppm = < 0.1 ppm CO ₂ @ 5% volume = < 0.1 ppm

MECHANICAL	
Enclosure	ABS / Polycarbonate
Weight	200 g (7 oz)
Size	5.0" x 4.0" x 1.9" (127 mm x 102 mm x 48 mm)

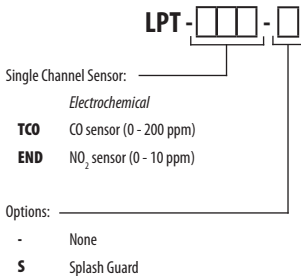
ELECTRICAL	
Power Requirement	2-wire mode 16 - 30 VDC 3-wire mode 16 - 30 VDC 4-wire mode 12 - 30 VAC or 16 - 30 VDC
Current Draw	Typical 25 mA Linear 4 - 20 mA Maximum 216 Ω load (wiring plus termination resistor) at 16 VDC Maximum 316 Ω load (wiring plus termination resistor) at 12 VAC
Outputs	VDC 2-conductor shielded 18 awg stranded VDC 3-conductor shielded 18 awg stranded VAC 4-conductor shielded 18 awg stranded
Wiring	VDC 2-conductor shielded 18 awg stranded VDC 3-conductor shielded 18 awg stranded VAC 4-conductor shielded 18 awg stranded
Fuse	Automatic resetting thermal

USER INTERFACE	
Indicator LED	Single color status LED

ENVIRONMENTAL (sensor dependant)	
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Humidity	15 - 90% RH non-condensing

CERTIFICATION	
Harmonized Standard	Pending (Tested to CE, C-Track, CSA & UL North America Std.)

PRODUCT CODES



ACCESSORIES	
Calibration kit for 17, 34, 58, 74, 103 L cylinders, 0.5 LPM flow regulator & adapter to fit 17 L cylinder	CET-715A-KC1
Metal protective guard, small, 16 gauge, galvanized metal guards for transmitters	SCS-8000-RSG

