

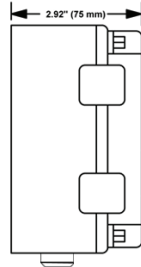
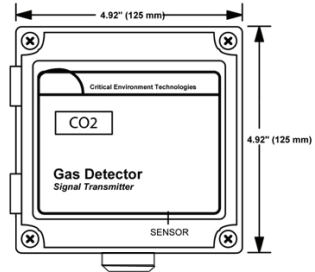
AST-I Industrial Infrared Transmitter



AST-ICD, AST-IHC & AST-INI are analog transmitters with high quality, industrial grade, miniature infrared sensors. They are supplied, as a standard in a water / dust tight, corrosion resistant polycarbonate enclosure.

These instruments use high quality, long life, dual beam sensors. The infrared sensor is supplied with a microporous PTFE filter attached to provide splash protection only. This filter is not designed to provide protection to the sensor from application of pressurized water.

TECHNICAL DRAWING



KEY FEATURES

- » Dual temperature compensated pyroelectric infrared detectors
- » Low power consumption
- » RoHS compliant circuit boards
- » Fast response
- » Water / dust tight / corrosion resistant polycarbonate enclosure
- » Linear analog (4 - 20 mA) output
- » Target gases include CO₂, Hydrocarbons (including Methane), Nitrous Oxide
- » Measurement ranges from 0 - 1,000 ppm up to 0 - 100% volume (sensor & gas dependent)

SAMPLE ENGINEERING SPECIFICATIONS

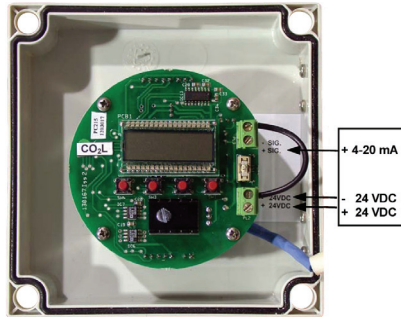
Coming soon...

APPLICATIONS

- » Commercial Buildings
- » Institutional Buildings
- » Waste Water Treatment Plants
- » Oil & Gas Plants
- » Manufacturing Plants
- » ... and many more

AST-I Industrial Infrared Transmitter

WIRING



TECHNICAL SPECIFICATIONS

GAS TYPE

Carbon Dioxide (CO₂)

Hydrocarbon Gases (CH₄)

Nitrous Oxide (N₂O)

MECHANICAL

Enclosure	Water / dust tight polycarbonate
Weight	255 g (9 oz)
Size	4.9" x 4.9" x 2.9" (125 mm x 125 mm x 74 mm)

ELECTRICAL

Power Requirement	24 VDC nominal (12 - 30 VDC) (polarity protected) 5 W maximum
Current Draw	70 - 100 mA
Outputs	Linear 4 - 20 mA analog (10 bit resolution with current limit)
Fuse	500 mA anti-surge in-line fuse for supplied power

ENVIRONMENTAL (sensor dependent)

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Humidity	0 - 95% RH non-condensing

PRODUCT CODES

AST-I -

Single Channel Sensor: _____

- CD-BW** CO₂ sensor (0 - 5% volume)
- CD-CW** CO₂ sensor (0 - 100% volume)
- CD-DW** CO₂ sensor (0 - 20% volume)
- HC-BW** CH₄ sensor (0 - 100% LEL)
- HC-CW** CH₄ sensor (0 - 100% volume)

ACCESSORIES

Calibration kit for 17, 34, 58, 74, 103 L cylinders, 0.5 LPM flow regulator & adapter to fit 17 L cylinder	CET-715A-CK1
Metal protective guard, small, 16 gauge, galvanized metal guards for transmitters	SCS-8000-RSG



شرکت آلپرداز ممیبا

تهران - خیابان آزادی - مابین خیابان شادمهر
و بزرگراه یادگار امام - شماره ۴۱۷ - واحد ۵

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فکس: ۰۲۱-۶۶۰۲۰۵۰۹

E-mail: info@apm-co.ir
Website: www.apm-co.ir

