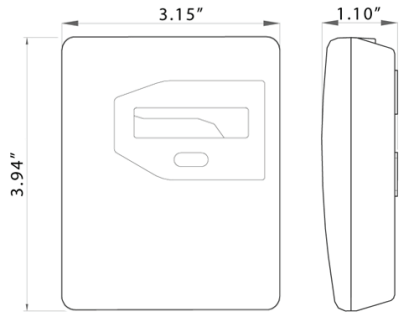




Office wall mount
with optional LED display

TECHNICAL DRAWING



AST-IS transmitter contains an infrared sensor for accurate, reliable carbon dioxide (CO₂) detection.

AST-IS transmitters convert the raw signal from a sensor into a useful output that can be sent to a controller or building automation system.

Standard enclosure is an attractive PVC office mount for indoor use. Optional duct mount, LCD digital display, relay, IP54 enclosure, and temperature sensor are available.

AST-IS transmitters feature 4 - 20 mA or 0 - 10 VDC linear output signals, low 24 VDC / VAC nominal voltage, standard 0 - 2,000 ppm range and 0 - 4% volume available for winery applications, and CE certification.

Lifetime calibration. Field calibration not required.

SAMPLE ENGINEERING SPECIFICATIONS

Coming soon...

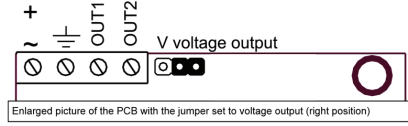
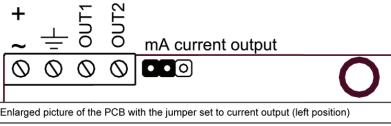
KEY FEATURES

- » 4 - 20 mA or 0 - 10 VDC linear output signal
- » Operating power 24 VDC or 24 VAC nominal
- » Lifetime calibration
- » 0 - 2,000 ppm standard range
- » Optional relay, LCD digital display & duct mount kit
- » RoHS compliant circuit boards
- » CE certified

APPLICATIONS

- » Residential Buildings
- » Commercial Buildings
- » Greenhouses
- » Schools / Educational Institutions
- » Offices
- » ... and many more

WIRING



TECHNICAL SPECIFICATIONS

GAS TYPE

Carbon Dioxide (CO₂)

MECHANICAL

Enclosure	General purpose PVC (IP30 rated)
Weight	<i>tbd</i>
Size	3.9" x 3.1" x 1.1" (100 mm x 80 mm x 28 mm)

ELECTRICAL

Power Requirement	24 VDC or VAC
Outputs	Linear 4 - 20 mA or 0 - 10 VDC signal

SENSOR

Sampling Method	Non-dispersive infrared
Monitoring Method	Diffusion
Range	0 - 2,000 ppm
Accuracy	± 30 ppm, ± 3% of reading

ENVIRONMENTAL (sensor dependent)

Operating Temperature	0°C to 50°C (32°F to 122°F)
Humidity	0 - 95% RH non-condensing

CERTIFICATION

CE	Certified
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PRODUCT CODES

Carbon dioxide (CO ₂), office wall mount	AST-IS1
Carbon dioxide (CO ₂), office wall mount with LCD digital display	AST-IS2
Carbon dioxide (CO ₂) & temperature sensor, wall mount with IP54 industrial enclosure, LCD digital display & relay	AST-IS5
Carbon dioxide (CO ₂) & temperature sensor, duct mount with LCD digital display	AST-IS9
Carbon dioxide (CO ₂) & temperature sensor, wall mount	AST-IS10
Carbon dioxide (CO ₂) & temperature sensor, wall mount with LCD digital display	AST-IS11
Carbon dioxide (CO ₂), relay & temperature sensor, wall mount with LCD digital display & relay	AST-IS12
Carbon dioxide (CO ₂), wall mount with LCD digital display & audible alarm	AST-IS14
Carbon dioxide (CO ₂), wall mount VAV with hidden LCD digital display	AST-IS15
Carbon dioxide (CO ₂), wall mount VAV with LCD digital display	AST-IS16

