

AccuLase-GPA™

Product Specifications

*Patent Pending

GALVANIC
APPLIED SCIENCES

PERFORMANCE

H₂S Range / LDL	0 to 500 ppm / 0.15 pm
CO₂ Range / LDL	0 to 5% / 500 ppm
H₂O Range / LDL	0 to 500 ppm / 5 ppm
Accuracy	± 2% F.S.
Repeatability	± 2% F.S.
Linearity	± 2% F.S.
Laser / Herriott Cell	Only 1 for All Configurations
Response Time	1 Second
Method / Technology	Tunable Diode Laser Absorption Spectroscopy (TDLAS)

ENVIRONMENT

Temperature	North America: -20 to 55°C [-4 to 131°F] Zone 1: -20 to 45°C [-4 to 113°F] / / Zone 2: -20 to 50°C [-4 to 122°F]
Installation	Indoors or Suitable Enclosure, Up to 95% RH [Non-Condensing]
Dimensions	Zone 1 / Div. 1 Models: 914 mm x 1,016 mm x 279 mm [36" x 40" x 11"] Zone 2 / Div. 2 Models: 1,333 mm 635 mm x 324 mm [52.5" x 25" x 12.8"]
Weight	Zone 1 / Div. 1 Models: 86 kg. [190 lbs.] Zone 2 / Div. 2 Models: 45 kg. [100 lbs.]
Enclosure	Zone 1 / Div. 1 Models: Cast Aluminium / Zone 2 / Div. 2 Models: Stainless

UTILITIES

Power / Consumption	90 - 240 VAC or 10 - 32 VDC [Div. 1 / Zone 1 Models Only] / 120 - 230 Watts
Calibration Gas	1,000 - 3,000 cc/min.

COMMUNICATIONS

Analog Outputs / Inputs	4 x 4-20mA Outputs (Self-Powered) / 2 x 4-20mA Inputs (Loop or Self-Powered)
Modbus	TCP/IP or Serial RS485
Digital Outputs / Inputs	4 x SPDT Relays / 4 Discrete Inputs
Remote GUI	Local Area Network [Any] Web-Browser Based
Local Display	5.7" Color LCD With Extendable Keypad

CERTIFICATIONS

CEC / NEC	Class I Div. 2 Groups BCD T3 / Class I Div. 1 Groups BCD T3
ATEX / IECEx Zone 1	II 2G Ex db [ia] op pr IIB+H ₂ T3 Gb
ATEX / IECEx Zone 2	II 3G Ex ec nC IIB+H ₂ T3 Gc