

FPA 4100™ Photometer

Product Specifications

GALVANIC
APPLIED SCIENCES

PERFORMANCE

Accuracy	± 2% F.S.
Repeatability	± 2% F.S.
Linearity	± 2% F.S.
Sensitivity	± 1% F.S.
Span Drift	± 2% F.S.
Zero Drift	± 2% F.S. With Daily Auto-Zero [Performance is Application-Specific]
Response Time	T90: 30 Seconds
Method / Technology	UV-VIS Photometry

ENVIRONMENT

Ambient Temperature	-20 to 50°C [-4° to 123°F]
Relative Humidity	0 to 95% Non-Condensing
Installation	Indoors or Suitable Enclosure
Dimensions / Weight	ATEX / IECEx Model: 1,270 x 686 x 298 [50" x 27" x 12"] / 105 kg. [230 lbs.] Div. 2 Model: 610 x 400 x 25 mm [24" x 16" x 10"] / 30 kg. [66 lbs.]
Enclosure	ATEX / IECEx Model: Cast Aluminium Div. 2 Model: Painted 304SS, NEMA 4X, IP65


UTILITIES

Power / Consumption	10 to 36 VDC or 90 to 240 VAC, 50/60 Hz, 30 Watts
Zero-Span	Gas-Phase: 0.5 - 1 L/min Instrument Air or Nitrogen Liquid-Phase: 200 ml/min DI Water

COMMUNICATIONS

Analog Outputs	6 x 4-20mA Outputs [Loop-Powered]
Analog Inputs	2 x 4-20mA Inputs [Loop or Self-Powered]
Digital Outputs	Modbus TCP/IP, RS232, RS485; PC GUI
Digital Inputs	8 Discrete Inputs
Human Machine Interface	Monochrome LCD With Extendable Keypad
Relays	6 x SPDT Relays

CERTIFICATIONS

CEC / NEC	Class I Div. 2 Groups BCD T3
ATEX / IECEx Zone 1	 II 2G Ex db ia IIB + H ₂ T4 Gb T _{amb} = -20 to +50°C