

# FPA 4100™ Photometer

## Product Specifications

**GALVANIC**  
APPLIED SCIENCES

### PERFORMANCE

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

### ENVIRONMENT

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


### UTILITIES

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

### COMMUNICATIONS

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

### CERTIFICATIONS

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