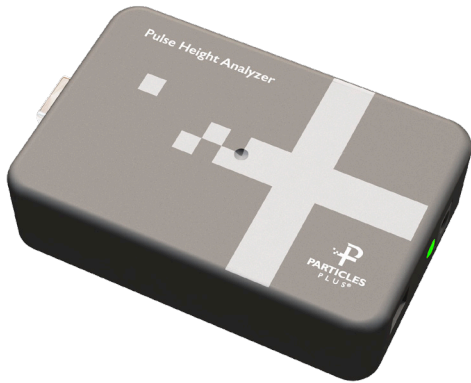


Pulse Height Analyzer

for Optical Particle Counters



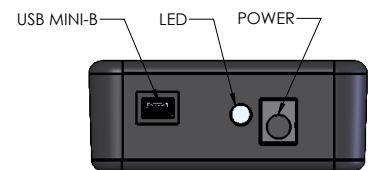
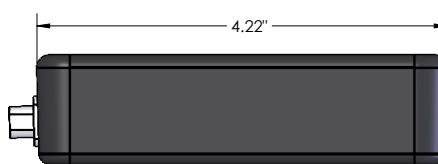
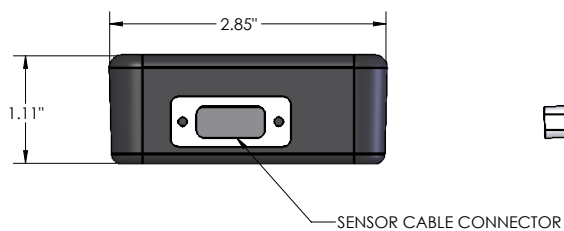
The Particles Plus® Pulse Height Analyzer provides a sophisticated pulse processing engine to reliably calibrate non-Pulse Height Analyzer based optical particle counters. This instrument can process pulses on two separate gain channels and accepts a wide input voltage range on both channels.

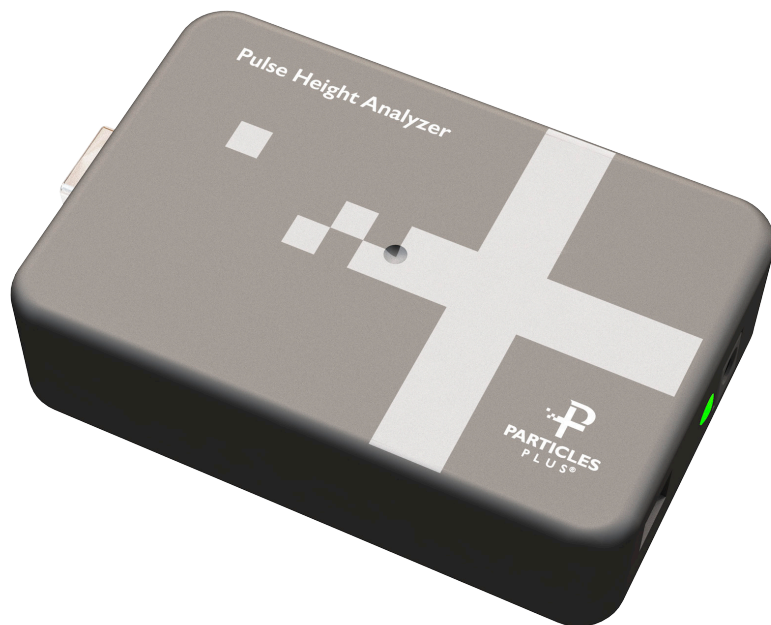
The Pulse Height Analyzer also interfaces directly with Particles Plus optical particle sensors supplying both power and allowing control of the sensors on-board laser.

Note: Airflow management must be managed by the optical particle counter or external vacuum pump and critical orifice.

Pulse Height Analyzer: Features and Benefits

- up to 250,000 samples per second
- 14 bits per channel
- 2 analog input channels (Hi/Lo gain for Particles Plus® instruments)
- Adjustable sample limits and binning
- Built-in peak detectors for each channel
- Separate trigger thresholds for each channels
- Particle Plus® Pulse Height Analyzer software included





Specifications

Model	Pulse Height Analyzer
Number of Channels	2 analog input channels (Hi/Lo gain for Particles Plus instruments)
Sample Speed	up to 250,000 samples per second
Sample Resolution	14 bits per channel
Sample Bins	Adjustable sample limits and binning
Sample Voltage Range	0 to 5 volts on each channel
Sample Detection	Built-in peak detectors for each channel
Sample Trigger	Separate trigger thresholds for each channels
Self-test Option	Output signals available for Pulse Height Analyzer self-test
Supply Voltage	9 – 15 VDC
Software	Particle Plus® Pulse Height Analyzer software included
Communication	USB mini-B Particle Plus® Pulse Height Analyzer software
Accessories	Operating manual on USB flash drive, power supply, cable harness, and USB cable Type A to Mini-B
Dimensions (W x L x H)	2.85" x 4.22" x 1.11" (72.39 x 107.18 x 28.19 mm)
Weight	0.2 lb. (100 grams)
Operating Conditions	41° to 104°F (5° to 40°C) / 20% to 95% non-condensing
Storage Conditions	32° to 122°F (0° to 50°C) / Up to 98% non-condensing
Warranty	2 year limited warranty. Extended warranties available.