

On-Demand Monitor Verification— Without Dust Injection

Precision Testing

- ✓ Confirms your monitor functionality
- ✓ Speeds up calibration and troubleshooting
- ✓ Minimizes downtime from faulty or uncalibrated sensors
- ✓ Improves trust in monitoring systems
- ✓ Extends sensor life and reduces long-term testing costs

PM Pulse is a portable current source signal generator and ground test unit, built to validate particulate monitoring equipment without needing process disruption or dust injection. It's ideal for regulated industries needing isolated verification, maintenance checks, or service diagnostics.



Solving Real Challenges

- Unreliable or unverified monitors leading to undetected dust exceedances
- Difficulty isolating sensor faults in complex systems
- Regulatory requirements for TUV (EU) and EPA/state-level (US) compliance
- High-precision applications needing frequent or portable verification

Who Needs the PM Pulse?

- Plants in regulated industries (EPA, TUV, etc.)
- Sites without dust injection systems
- Facilities needing periodic or isolated verification
- Techs or service teams testing monitors in the field

Designed for Auburn

PM Pulse is purpose-built to test and verify Auburn particulate monitoring equipment, both current and legacy models. With multiple preset modes, it provides a reliable way to validate monitor performance across generations—making it a valuable tool for service, maintenance, and compliance checks.



Key Features

- Perform isolated system verification and calibration checks
- Selectable ranges with percent of range adjustment
- Tests both polarities
- Low battery indication LED
- Auto shut-off timer to support long battery life
- Modular test tube for multiple probe lengths (with pelican case for easy storage)

Technical Data Summary	PM Pulse
Power Supply	9v Battery (Rechargeable or Replaceable)
Polarity Options	Positive and Negative current output
Range	0-1uA / 0-100% (0-10pA, 0-100pA, 0-1nA, 0-10nA, 0-100nA, and 0-1uA)
Compatibility	Auburn particulate monitors (current and legacy incl. FilterSense)
Use Cases	Verification, calibration, troubleshooting
Ground Test Option	Yes – includes built-in grounding for TUV applications
Portability	Compact, battery-powered test unit
Enclosure	5.72" x 4.77" x 2.22"
Test Tube	Supports bare sensors with 3" to 48" active length Supports multiple mounts including Q15, Q20, N05, N15, F20 and F5

