



Protective Mask Leakage Tester



When donning a protective mask, you deserve the utmost confidence in your gear. Air Techniques International's Protective Mask Leakage Tester (PMLT) is an aerosol & photometry-based instrument designed to confirm mask seal and integrity as well as individual fit. The PMLT is portable, easy to use, sets up in minutes and provides a variety of mask testing options.

PMLT Protective Mask Leakage Tester

Product specifications: PMLT

SIZE:	32" (L) x 22.5" (W) x 20" (H) while packed
WEIGHT:	~90 lbs/41 kg packed, ~60 total unpacked
POWER SUPPLY:	100 to 250Volts AC, 50/60Hz
AEROSOL REAGENT:	Poly-dispersed oil (PAO-4)
AEROSOL DETECTION:	Near-forward light scattering photometer
DETECTION RANGE:	0.0005 to 100%
FIT FACTOR LIMIT:	200,000
DATA OUTPUT:	RS-232 serial port
PATENTS:	6,435,009 6,848,297 7,140,234 7,343,783

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The PMLT is the only instrument available capable of leak testing an entire mask, integrity testing of mask components, and Fit Testing of individuals without compromising the mask.

The PMLT utilizes the same technologies used by both the United States military and NIOSH to test masks designed to meet strict Chemical Biological Radiological and Nuclear (CBRN) requirements.



Furthermore, the PMLT has been subjected to aggressive testing and fielded by the United States military through the Joint Program Executive Office as the Joint Services Mask Leakage Tester (JSMLT).

The standard PMLT is supplied with two (2) test heads and all accessories required to test virtually all respirators and gas masks on the commercial market. Optional test heads and fixtures are also available.

A leakage isolation test allows the operator to isolate the location of a leak and possibly remedy the situation; thereby permitting the continued fielding of the mask.

Mask components that are prone to leaks include: voicemitters, exhalation ports and disks, inlet

port seals, and drink hoses and couplings.



The user interface is a simple, easy to use touchpad and digital display. A universal power supply ensures the unit is operable almost anywhere in the world.

All tools and materials are neatly stored and transported in a rugged self-contained Pelican™ case.



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Quality testing for HEPA filters & protective masks available at our ISO-9001 registered, NQA-1 & DOE audited Test Laboratory



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