



Strap-On Pipe Radiation Monitor

Model Series PEMO-7 PEMO-7, PEMO-7-MCA, PEMO-7-G

via external printer. It is a complete system and may be expanded per need with modules of the FM-9 series. The **PEMO-7** is sensitive and versatile. It may be used to monitor water in pipes or effluent streams down to EPA levels.

Features

- Installs Anytime Anywhere
- Sensitivity Independent of Flow Rate
- No Penetration, No Downtime
- Sensitivity: 1×10^{-7} $\mu\text{Ci/cc}$ ^{60}Co in 18" Pipe
- Real Time Alarm
- Rate and Integrated Exposure
- Detector Type Choice: NaI (TI) or HPGe
- USB and Ethernet Ports
- On Board Data Archive, Transmit, and Display

Application

The **PEMO-7** Pipe Monitor assures accurate detection and quick alarm in case of waterborne radioactivity contamination flowing thru one or more pipes. A constant check with alarm and data record is accomplished by the onboard computer. Integrated exposure information is recorded and can provide a hard copy

Description

The **PEMO-7** uses standard NaI (TI) Detector in T/A's unique Strap-On Style Shield to continuously measure any water or airborne gamma emitting Radioactive contaminants, onboard data logging. The water or air stream is under constant surveillance via a scintillation detector. The unit is completely self-contained.

- **PEMO-7** utilizes a NaI (TI) scintillation crystal detector.
- **PEMO-7-MCA** utilizes a NaI (TI) scintillation crystal detector.
- **PEMO-7-G** utilizes an intrinsic HPGe solid state detector.


Note for Selection of *Intrinsic HPGe* Detector, PEMO-7-G

The **PEMO-7-G** System has an installed Dewar to maintain HPGe crystal at proper temperature range.

Optional: An electronic cryo-cooler is available.



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