



Trusted  
radiation  
protection.

# 878-10

## High Range Field Test Source

The 878-10 High Range Field Test Source is a portable, self-contained fixture for in-situ testing of High Range Ion Chamber Area Monitors. While specifically designed for the 875 High Range Containment Monitor, it is adaptable to ion chambers of other manufacturers. A sealed radiation source, combined with repeatable location of source and detector in the fixture, assures the consistency of the results. The source is encapsulated in welded stainless steel and secured inside a rotating section of the source shield. By rotating the section, the source is positioned so that radiation from the source passes through an exit hole in the shield to irradiate the detector. The rotating section is spring loaded to return to the closed position, and the mechanical interlocks prevent exposing the source until the detector is prop-

erly mounted. Extra safeguards help to minimize unnecessary exposure of operators to radiation.

### Applications

The 878-10 High Range Field Test Source is designed to be used as a field check of detector functionality. It is designed to be used with the 875 High Range Containment Monitor.



### Key features

- Field calibration check device
- For use with the 875 High Range Containment Monitor
- Shielding lead encased in steel and brass
- Radioactive source mounted in steel
- Shield spring-loaded closed by redundant constant force springs
- Shield is locked in closed position by key lock
- An interlock prevents opening of the shield unless a detector is in place
- For "In-Situ" testing
- Calibrated and certified
- Safety features incorporated in design
- Portable
- Rugged
- Easy to operate

## Technical specification

**Dimensions** (*w x d x h*)

8 in x 13 in x 7.25 in  
(20.3 cm x 33 cm x 18.4 cm)

**Weight**

35 lb (15.9 kg)

**Nominal Rate**

10 R/h

**Source Nominal**

250 mCi of <sup>137</sup>Cs sealed in  
welded stainless steel capsule\*

\* United States Nuclear Regulatory  
Commission (USNRC) or Agreement State  
License required

## Ordering information

**Model**

**878-10:** High Range Field Test Source



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