

# RADIOACTIVE SOURCES

**M**odels WLx-AM / AM-241 are Americium alpha disk sources

## Applications:

- Set up portable alpha survey instruments
- Verify operation of portable alpha survey instruments

## Features:

- Stable
- Long life (433 years)
- Small and light
- Easy to use

## Theory of Operation:

The AM-241 consists of a small stainless steel disk with the Americium source material deposited on one side. As the Americium 241 decays it gives off alpha particles. The WLx-AM consists of the AM-241 radioactive source placed in a holder that is specifically designed to attach to the Pylon WLx system.

## Specifications:

Parent nuclide: Am-241  
Nominal activity: 85 mBq (5 nCi) to 1147 mBq (31 nCi)  
Operating Temperature Range: 0 to +50 °C (+32 to +122 °F)  
Storage Temperature Range: -20 to +75 °C (-4 to +167 °F)  
Relative Humidity Range: 0 to 90 %

### WLx-Am

Diameter: 5.6 cm (2.2 in.)  
Height: 1.4 cm (0.6 in.)  
Weight: 26 g (0.06 lb.)



WLx-AM

### AM-241

Diameter: 25 mm (0.87 0.984 in.)  
Thickness: 0.762 mm (0.03 in.)

- Values are nominal.

## Ordering Information:

<u>Model</u>	<u>Part #</u>	<u>Description</u>
WLx-AM	6204619	WLx Americium 241 Source
AM-241	1121063	Americium 241 Planchette Source

THESE SOURCES CONTAIN RADIOACTIVE MATERIALS. PYLON REQUIRES A COPY OF THE USER'S RADIOISOTOPE LICENCE PRIOR TO SHIPPING THESE PRODUCTS.

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WLX-AM / AM-241