

Long term
reputation in
the medical
industry.

Assurance we
will offer
competitive
pricing.

Customer
service #1
priority.

One Stop.

LACO Inc.

can do it all!

Ludlum
Model 42-30 Neutron Detector
PART NUMBER:47-1584

*The Model 42-30
is a proportional
neutron detector
with remball that
is wall mountable
for area
monitoring.*



INDICATED USE: Neutron detection; Area monitoring
DETECTOR: Boron Trifluoride(BF₃) proportional detector
MODERATOR: 10"(25.4 cm) diameter polyethylene sphere
ENERGY RANGE: Thermal to approximately 12 MeV
SENSITIVITY: Typically 30 cpm/mrem/hr (*AmBe*)
GAMMA REJECTION: 10 cpm or less through 10 R/hr
ENERGY RESPONSE: Thermal to 7 MeV follows the radiation protection guide curve for Neutron dose
COMPATIBLE INSTRUMENTS: Typically used with area monitors
OPERATING VOLTAGE: Typically 1600 - 1900 volts
CONNECTOR: Series "C" (*others available*)
CONSTRUCTION: Aluminum frame with a beige polyurethane enamel finish
TEMPERATURE RANGE: -4° F(-20° C) to 122° F(50° C)
May be certified for operation from -40° F(-40° C) to 150° F(65° C)
SIZE: 10" (25.4 cm)diameter X 15"(38.1cm)H
WEIGHT: 13.2 lbs (6kg)