



PRS-2 Digital Electronics



P-55
Dual GM Probe

High / Low Dual Range Survey Meter

Hand Held and Telescoping Probe

Model Series: TBM-55

TBM-55-LR, TBM-55-W, TBM-55-HR



TBM-55- W and TBM-55-HR Probe
with Telescoping Wand

Features

- PRS-2S Comes With Probe Bracket
- Low to High Range Beta – Gamma Detection
- GM Thin Side Wall Sensors
- Lightweight, Rugged Tbm Meter
- Digital Dual Display (PRS-2S)
- **Optional** Carrying Case

TBM-55-LR

- Dual Detectors in One Unit
- Low Wide Range

TBM-55-W

- Dual Detectors in One Unit
- Mid Wide Range
- Wand Extends to 5 ½ Feet (**TBM-55-W**)
- Retracts to 9 Inches
- Wand 6 Ounces

TBM-55-HR

- Dual Detectors in One Unit
- High Narrow Range
- Wand Extends to 10 ½ Feet
- Retracts to 2 ½ Feet
- Choice of Length
- IP 64

General Description

The TBM-55 Series is a complete Low-to-High-range GM Beta

- Gamma radiation detection system.
- TBM Digital Electronics with ruggedized meter readout.
- Battery operated.

Probe Options:

- P-55 – Dual GM detectors Low and High Range in one unit
- Low to High Range (**TBM-55W**) with wand
- Low to High Narrow range (**TBM-55HR**) with wand
- Extendable wand with P-55 dual detectors in one unit.

Telescoping wand models are lightweight and compact providing easy transport and use



TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCLE

High / Low Dual Range Survey Meter Hand Held and Telescoping Probe

Model Series: TBM-55: TBM-55-LR, TBM-55-W, TBM-55-HR

Specifications

Ranges:

- TBM-55-LR: 5 μ R/h to 10 R/h (0.05 μ Sv/h to 100 mSv/h)
- TBM-55-W 1R/h to 50 R/h (0.01 Sv/h to 0.05 Sv/h)
- TBM-55-HR 1R/h to 1,000 R/h (0.01 Sv/h to 10 Sv/h)

Energies Detected:

- Gamma: All energies above 15 KeV.
- Energy Dependence: With optional energy compensation sleeve (removable), 20%, 80 KeV to 1.25 MeV.
- Beta: Above 0.2 MeV.
- Beta Efficient: 0.3 MeV 45%
1 MeV 75%
2 MeV 85%
3 MeV > 90%

Telescoping Wand:

- Extendable Length:
 - TBM-55-W 5 ½ feet (167.6 cm)
- Retracted Length:
 - TBM-55-W 9 inches (22.8 cm)
- Total Weight:
 - TBM-55-W 2 lbs. (0.9 kg)

- Extendable Length:
 - TBM-55-HR 10 ½ feet (320 cm)
- Retracted Length:
 - TBM-55-HR 2 ½ feet (76 cm)
- Total Weight:
 - TBM-55-HR 3 ½ lbs. (1.58 kg)

Optional:

Energy Compensation Sleeve.

Case:

<https://www.pelican.com/us/en/product/cases/cargo/bx55s>



**TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY**

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCLE

High / Low Dual Range Survey Meter Hand Held and Telescoping Probe

Model Series: TBM-55: TBM-55-LR, TBM-55-W, TBM-55-HR

Replacements: Reasonably priced replacement parts are readily available from T/A:

- Extendible Probe Holder
- Detector Cable

Thin side wall GM sensors

- High Range (TBM-55-HR)
- Wide Range (TBM-55-W)
- Low Range (TBM-LR)

PRS-2S DIGITAL ELECTRONICS (TBM-55 Series)

- Detector: Mates with GM Probes or scintillation detectors.
Detector connector: BNC - Standard
Detector Bias Supply: 400 V DC to 1200 V regulated and filtered - other voltage levels-optional.
- PRS-2S: Reads out from 2 separate probes simultaneously
No energy discrimination
- Alarm: Audio / Visual, Low Battery Warning
- Temperature: -10° C to 40° C
- Power: Batteries: 6 AA cells.
- Battery Life: 100 hours with Alkaline cells (200 hours with - Lithium cells).
- Construction: All plug-in circuit cards, essentially no wires. Rugged, lightweight
- Dimensions: 3-1/4" H, 4-1/4" W, 7-1/4" long excluding probe holder and handle.
- Weight: 2 lbs.
- Optional:** Rechargeable batteries and charger



TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCLE