

DIGITAL RATEMETER/SCALER

Model # TBM-3DLA

FEATURES:

- SEPARATE SCALE FACTORS FOR RATE & TOTAL
- HIGH VOLTAGE 400V-1200V DC
- 1-99 sec TIME CONSTANT FOR RATEMETER
- 8 DIGIT LCD DISPLAY
- AUDIO VISUAL ALARM
- ANY GM OR SCINTILLATION DETECTOR, ALPHA, BETA, GAMMA, X-RAY OR POSITRON.
- RS-232 SERIAL OUTPUT STANDARD
- USB OR ETHERNET OPTIONAL



TBM-3DLA

TBM-3DLA Automatic Scaler uses include sample or wipe counter. "Frisker" monitor and lab monitor. It includes a digital rate meter operating mode in which it presents 5 full decades of accurate readout without switching. The **TBM-3DLA** is also used as an area monitor, again making use of the digital rate meter modes covering six decades and also utilizing the preset alarm.

DESCRIPTION: This is a multi-purpose lightweight Scaler with internal rechargeable battery. All 400-1200V GM and scintillation probes are usable with the **TBM-3DLA**. The **TBM-3DLA** is a sturdy table top or portable instrument incorporating both scaler and rate meter functions.

Pulses are seen via flashing red LED for visual service in dark areas. There is a user settable gate time for the scaler. Readings directly in mR/hr or other units can be made by inputting correct scaling factors for the scaler and the rate meter.

TA TECHNICAL ASSOCIATES

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SPECIFICATIONS:

- 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.
 - Power:** Batteries: in-place rechargeable batteries. External charger is supplied.
Battery Check: Push button and LED indicator.
 - Construction:** All plug in circuit cards, essentially no wires. Rugged, lightweight
 - Dimensions:** 7.6cm H x 14cm W x 7.6cm D (3" x 5.3" x 3") exc. knobs.
 - Weight:** 600 grams
 - Discriminator:** Internal threshold level input
 - High voltage:** Internal Adjust
 - Alarm circuit with red LED and audio alarm
 - RS-232 serial circuit
 - Pre-amp for proportional detectors
- Options:**
- Other connectors - MHV etc
 - Adjustable window above threshold
 - Eternal alarm jack
 - Ethernet with IP address and Overhoff Overview

Digital Display	RATEMETER	SCALER
Range	6 digit LCD	8 digit LCD
User Settable Scale Factor	0.1 - 20,000 count/sec	•0-10,000,000 counts
Time Constant	0.01 to 99 seconds Display Refresh Rate	1 sec. to 10 ⁷ seconds