

DIGITAL FRISKER

Model ~ TBM-15-D-BW

FEATURES:

- ALPHA, BETA AND GAMMA
- SINGLE RANGE
 - Fast Response
- 4 DECADES
- TOUCH SCREEN COLOR DISPLAY
 - Display Interval Data
 - Backlight Color Display
 - Visible Screen in Daylight
- INTERNAL MEMORY
- DATA ARCHIVE & RETRIEVAL
- 10,000 DATA POINTS SAVED
- LIGHTWEIGHT
- ONE or TWO HAND OPERATION (BUILT- IN PROBE HOLDER)
- DETACHABLE T-1190 GM PANCAKE PROBE
- GPS
- BUILT-IN SONALERT
- ANTI-SATURATION CIRCUIT
- USB PORT
- **IP64; CE Mark**



APPLICATION:

Its small size, light weight, separate probe and large detector area make this a very useful monitor for surveying bench tops or checking hands, clothes and fingertips for almost any radioactive contamination.

The **TBM-3SR-D-BW** provides an internal memory. Data logging eliminates transcription errors, improves accuracy and efficiency.

DESCRIPTION:

- Small Digital Ratemeter with separable 2" diameter pancake probe.
- Alpha, Beta and Gamma detection.
- Reads out in mR/hr (Optional μ Sv/h or cpm, cps).
- Thin probe window is recessed and protected by sturdy stainless steel grill.
- Anti-saturation circuit will not fall below full scale in high fields.
- Sonalert gives audible rate indication.
- Built-In Probe Holder – tongue and groove probe holder on bottom of instrument case



TECHNICAL ASSOCIATES

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SPECIFICATIONS:

Display:	Color Touch Screen
Single Range:	0.01 μ Sv/h – 100 μ Sv/h
Energy Range:	5 – 200 KeV
Linearity:	+/- 15% of full scale with pulse generator.
Battery Test:	Built in Display
Audio:	Sonalert.
Two Time Constants:	Fast & Slow (each is user programmable) 0 to 90% of final reading.
 User Settable:	2 sec to 99 seconds.
Detector:	
 Type:	P-15 - T-1190 2" diameter (5cm) GM pancake tube.
 Plateaus:	150V <10% / 100V
 Window Diameter:	1 3/4"; 4.5 cm. Area 16 cm ²
 Window Thickness:	1.5 mg/cm ²
 Dead Time:	70 μ sec Max
 Quench Gas:	Halogen for long life.
Background:	Typical 50 cpm. Thin profile of tube (13mm) gives low background.
Efficiency:	100% for all Betas & Alphas with sufficient energy to penetrate thin window.
Operating Environment:	-4° F – 122° F (-20° C – 50° C); RH 0-90%
Beta Efficiency:	C-14 > 6%, Sr-90/Y-90 > 25% 4 pi.
Alarm:	Settable over entire instrument range.
Batteries:	Rechargeable Lithium battery and charger, 110 – 220 VAC
Battery Life:	6 months shelf life

WEIGHT & DIMENSIONS:

Dimensions:	3" W x 5 1/4" L x 2 1/2" H (7.6 cm x 13.3 cm x 6 cm) (excluding probe and handle).
Weight:	
 Electronics Only:	22 oz. (625 gm).
 Total Weight:	Including separable pancake probe 34oz. (0.97 kg).



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