

## RadEye B20/B20-ER Multi-Purpose Survey Meter

The RadEye B20/B20-ER is Thermo Scientific's newest RadEye instrument for contamination and dose rate measurements. The RadEye B20 is a modern compact multi-purpose contamination meter for detecting alpha, beta, gamma and X-ray radiation. By virtue of an optional gamma energy filter, gamma dose rate measurements from 17 to 1300 KeV can be performed. For emergency response purposes alpha and beta contamination can be discriminated using an optional filter. These instruments are part of the growing RadEye family of high-end stand-alone survey meters, which are designed to exceed the most demanding user expectations.



### Features of RadEye B20 and RadEye B20-ER

- Light Weight (300 g), excellent grip with and without gloves
- Rugged and compact design, thick rubber protective cover
- Low cost of ownership with > 500 h operation time with 2 AAA batteries – rechargeable NiMH-cells can be used
- Menu-driven user interface results in low training cost and immediate familiarity
- Huge internal data memory for both scaler results and continuous data recording
- Bright backlit LCD display – plain text messages - different languages can be selected
- Easy adaptation to different tasks by supervisor configuration, calibration, selection of measuring units
- Versatile operation modes:
  - Scaler / Timer with preset count and preset time for sample measurements
  - Continuous ratemeter mode for frisker operation
  - Dose rate mode
- Audible indication: single pulse or chirper mode proportional to count rate
- Earphone output for operation in loud environment



### Energy Filters (optional)

- Removable energy filter for directional dose equivalent  $H'(0.07)$  (shallow dose) from 20 KeV
- Removable energy filter for ambient dose equivalent  $H^*(10)$  (deep dose) in Sv/h or REM/h from 17 KeV
- Removable alpha-rejection filter for quick estimation of alpha contamination in emergency response situations

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