Short Operation Manual
RadEye B20 / B20-ER

Thermo SCIENTIFIC

Radiation Measurement & Security Instruments

	Function	Button	Press
ON/OFF	Power up	🔽 On	**1 x long**
	Power down	◀ Menu	**3 x short**
🔑	Activate key lock	🔽 On	**1 x long**
	Deactivate key lock	◀ Menu → 🔽 On → ▶ 🔊	

Menu operation

AVAILABLE MENU ITEM
SELECTED MENU ITEM
AVAILABLE MENU ITEM
ACTION ⬆⬇ ACTION

Menu ◀   Info ▲   🔊 ▶   On ▼

ACTIVE MODE ✓

ACTION ⬆⬇ ACTION

The active mode is highlighted by a ✓

. 0 1 2 3 **4** 5 6 7
µ m k M

← ⬆⬇ →
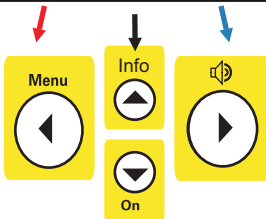
Selection of a digit, decimal separator or prefix: ← →

Changing its value: ⬆⬇

Ratemeter Mode *(Fast scanning for surface contamination)*

Menu ◀ → Scaler Parameter / **Operation mode** / Measuring unit / Backlight / Select ↑↓ Exit → **Ratemeter** ✓ / Scaler / Select ↑↓ Exit
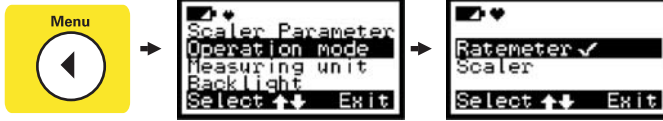
1 Battery Level

3 Bar graph display of the count rate in logarythmic scale
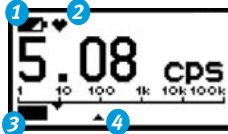
2 Icon indicates, that the unit is processing data

4 Alarm threshold setting:
Level 1: ▼   Level 2: ▲

5 Quick count rate change.
Wait until the count rate is stable
Increasing count rate ↗
Decreasing count rate ↘

**6** Count rate indication by sound (pulse)

2x ▶

Scaler Mode *(Highly sensitive measurements of prepared samples)*

Menu ◀ → Scaler Parameter / **Operation mode** / Measuring unit / Backlight / Select ↑↓ Exit → Ratemeter / **Scaler** ✓ / Select ↑↓ Exit

> The RadEye B20 / B20-ER can be set to display the net count rate by automatically subtracting the stored background data. See the manual for details.
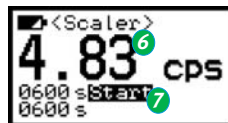
1 Preset measurement time

2 Press [Info ▲] to start the measurement
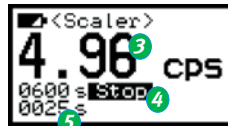
3 Average value based on the elapsed time

4 Early termination of the measurement

5 Elapsed measurement time

6 Measurement result

7 Press [Info ▲] to start the next measurement