

Bare-Hand Live-Line Work Safety



Models 44 and 44B

Rugged, Dependable Design

Automatic Safety Check for
grounded test cables

The BCM-44 and BCM-44B are state of the art current monitors designed for continuous operation during bare-hand work. The BCM has an adjustable set point (5 presets also available on BCM-44B) between 1 and 400 microamperes AC or DC. A 90-dB horn sounds an audible warning if this current set point is ever exceeded during use.

The BCM-44 and BCM-44B are extremely rugged and dependable current monitors. Designed for operation a variety of weather conditions, the BCM provides the security needed for bare-hand live-line work.



BCM 44B Installed on boom

The VON Corporation

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VON BCM Specifications

	BCM 44	BCM 44-B
Display Type	Liquid crystal display w/ heater Digits are 0.75 inches (2 cm)	
Range	0-400 microamperes AC or DC 1 microampere resolution	
Voltage Drop	Less than 0.5 volts full scale	
Measurement System	True RMS within 1% of full scale (400uA) +/- 2 LSD	
Set point(s)	Adjustable from 5 to 400 microamperes with a front panel mounted dial	Controls allow selection of five presets (27, 40, 66, 133, 289 microamperes) or dial adjustable position variable from 5 to 400 microamperes.
Set point Accuracy	Within two counts	
Audible Alarm	Internal 90dB vibrating horn sounds when current exceeds set point, or when measuring lead is accidentally grounded.	
Power Requirements	12 or 24 volts D.C., negative ground, draws 0.3 A (0.5 A @ 24V) with horn sounding and 0.06 A under normal operation.	
Enclosure	Precision die-cast aluminum case 4.72" (12cm) x 8.66" (22cm) x 3.14" (8cm) with external mounting brackets	
Weight	5 Lbs. (2.3kg)	
Input for test	UHF coaxial connector	7 pin Amphenol receptacle with cap
Input for Power	Flange mounted 3 pin Amphenol receptacle with cap	Flange mounted 3 pin Amphenol receptacle with cap
Test Cable	30' (9.1m) shielded coaxial cable provided	4' (1.2m) shielded six conductor cable provided
Power Cable	4' (1.2m) three conductor cable provided	

Additional Features of the BCM 44B:

1. Meter accuracy check using the internal precision current source
2. Metering of test circuit for boom metering bands
3. Metering of test circuit for hoses
4. Metering of test circuit for leveling rods or fiber optics
5. Total test including the sum of all three circuits
6. Display variable set point
7. Check the continuity of each input circuit
8. Continuity check of each input circuit.

Note: Daily use of this monitor does not eliminate the need to perform periodic over-voltage tests on aerial lift devices. The absolute minimum recommended over-voltage test should be a DC test of 2.1 times the line to ground exposure or an AC test of 1.5 times the line to ground exposure.

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