



## BCM-44 / BCM-44B

Bare-hand Live-line work safety

PHV

### Benefits:

- ☐ Bare-hand, live-line work safety
- ☐ Extremely rugged and dependable design
- ☐ Designed for operation in a variety of weather conditions
- ☐ Automatic Safety Check for shorted or mis-wired test cables
- ☐ Low Range: 0-99 microamps A.C. or D.C. with 0.1  $\mu$ A resolution
- ☐ High Range: 0-500 microamps A.C. or D.C. with 1  $\mu$  A resolution
- ☐ Display variable set point

### Description:

BCM-44 is a state-of-the-art current monitor designed for continuous operation during bare-hand work. The BCM has an adjustable set point between 1 and 500 microamperes AC or DC. A 106DB multi-tone horn sounds an audible warning if this current set point is ever exceeded during use.

	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)	Controls allow selection of six presets (27, 40, 66, 93, 133, 289 microamperes) or dial adjustable position variable from 5 to 500 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	25' (7.6m) 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:

- ⊠ Meter accuracy check using the internal precision current source
- ⊠ Metering of test circuit for boom metering bands
- ⊠ Metering of test circuit for hoses
- ⊠ Metering of test circuit for leveling rods or fiber optics
- ⊠ Total test including the sum of all three circuits
- ⊠ 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.

**FOR FURTHER INFORMATION  
PLEASE CONTACT:**

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