

BROMAN 210

The Broman Model 210 Contact Resistance Test Set is a portable line operated instrument designed to measure the resistance of high current devices, such as circuit breaker contacts and busbar interconnections whose resistance is normally in the microhm region. The model 210 is particularly effective in assessing circuit breaker condition by periodically checking contact resistance, a deteriorating breaker can be detected prior to actual breakdown, thus averting a possible costly outage.

FEATURES

- Easy to operate
- Direct reading in microhms
- No balancing required
- Self calibration
- 10 year warranty



DESCRIPTION

The 210 operates on the principle of passing a known current through the test subject and measuring the resultant potential drop across that test subject. Once the current and voltage are known the resistance is calculated electronically and displayed on the microhm meter. Separate leads and clips are used for current and potential measurements using standard four terminal Kelvin connections.

A self calibrating feature is incorporated to permit convenient checking of the overall calibration without reference to external standards.

An auxiliary 100 ampere AC output is provided for demagnetizing current transformers in situations where these cannot be excluded from the test path, or for low level injection testing.

SPECIFICATIONS

Input	120 V AC, 60 Hz, 500 VA
Test current	0-100 A DC (0-8 V DC open circuit)
Auxiliary AC Output	0-100 A AC (0-6 V AC open Circuit)
Duty Cycle	2 minutes on / 10 minutes off at 100 amperes.
Resistance Ranges	0-50/100/500/1000/5000 microhms
Meters	ammeter scaled 0-100 A DC, dual scaled ohmmeter 0-100, 0-500 microhmeter
Accuracy	\pm (1.5% of reading + 0.25 scale division)
Dimensions	12w, 13d, 15h (inches)
Weight	50 pounds