

FUNCTIONAL SPECIFICATIONS

Current Generation

Range: 0-24mA
Resolution: 0.01mA
Accuracy (k=2): $\pm 0.05\%$ of Full Scale
Maximum Load: 900 ohm
Temperature Coefficient: 0.005% per °C (-10°C to +40°C)
0.003% per °F (-14°F to 104°F)

Current Measurement

Range: 0-24mA
Resolution: 0.001mA
Accuracy (k=2): $\pm 0.05\%$ of Full Scale
Input Impedance: 10 ohm
Temperature Coefficient: ... 0.003% per °C (-10°C to +40°C)
0.002% per °F (-14°F to 104°F)

Voltage Measurement

Range: -45V to +45V
Resolution: 0.1V
Accuracy: 0.5V
Input Impedance: 10M ohm

Standards Compliance

89/336/EEC
EN50081-1
EN50081-2
EN50082-1
EN50082-2
(91/157/EEC)

ORDERING INFORMATION

Part No.	Description
75-MACAL	mAcal Loop Calibrator (Complete)

PHYSICAL SPECIFICATIONS

Operating Temperature

-14°F to 104°F (-10°C to +40°C)

Storage Temperature

-4°F to 122°F (-20°C to 50°C)

Battery Life

200 hours with external loop power
20 hours with 12mA output/internal loop power

Battery Types

4 Type LR6, AA, 1.5V Alkaline

120Vac Mains Adapters

103964, 6Vdc/240ma US/Japan- 1.3mm DC female connector

Weight

Calibrator with Batteries, Leads and Case 0.8 lbs (355g)

Dimensions (H x W x D)

6.85 x 2.6 x 1.0-inches (174 x 66 x 26mm)

Warranty

1-year Factory Warranty

Part No.	Description
013257	Printed Circuit Board (Complete)
103775	Keyboard
103922	Housing (Complete)
104202	Test Leads
103964	120Vac Adapter
103915	Battery Cover
103845	Carrying Case (Soft)
103887	User Manual

