

Low Cost Strain Gauge Hand Held Measuring Amplifier

GM77

- Display and Decimal Point Freely Scalable
- Mains-, Battery-, Accu Operation
- Cut-Off after 15 min
- Calibration Control Switch
- Maximum Value Memory
- Signal Conversion Switch
- Integrated Accu Charger
- 4½-digit LCD-Display
- Easiest Calibration



Description

The GM77 is a cost-effective hand-held measuring instrument with a 4½-digit, freely scalable LCD display for strain gauge (SG) signals of 0.35 .. 3.5 mV/V.

The compact hand-held measuring instrument is flexibly applicable.

Selectively, it can be used with commercial, external accessible batteries, accus or a plug power pack with integrated accu charging function.

The battery saving mode with a 15 min timer switches the instrument off automatically.

By a key, an integrated maximum value memory and a signal inverse function are connectable and disconnectable at any time; the status is indicated on the keys by LED's.

Another key applies 100% calibration control (if available - see sensor data sheet) of the sensor, thus the GM77 can easily be calibrated to a sensor and the calibration can be checked at any time.

Specifications

		GM77
Art. No.		107960
Measuring accuracy	f.s.%	0.2 ±3 digit
Rise time maximum value memory		250 ms -3 dB
Reading rate	/s	2.5
Display scope		0 .. ±19999
Bridge resistance of SG	Ω	350 .. 2000
Input sensitivity	mV/V	0.35 .. 3.5
Supply voltage SG		4V, max.15 mA
Operation time at 50% duty ratio		
With accu (4 x micro 750 mAh)	h	>40
With batteries	h	>50
Nominal temperature range	°C	15 .. 35
Service temperature range	°C	5 .. 45
Storage temperature range	°C	-10 .. 70
Dimensions (L x W x H)	mm	125 x 80 x 40
Weight	g	250
Level of protection (DIN VDE 0470)		IP40

Options/ Accessories

Art.-No.	Type	Description
107961	GM77/AK	Accu set 4 x AAA, 1.2V, 800 mAh
106864	GM77/NT	Desktop power supply for mains operation and accu charging
110564	mV/V	mV/V adjusted sensitivity
10293	KSSH15	D-SUB-connector, high density, 15-pin