

پترو فرهان گستر جنوب

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This meter is completely portable, LCD, 3 ½ digits clamp meter with insulation test function (with option 500V insulation tester unit). Designed for use by electricians, technicians, serviceman and hobbyists who required an instrument that is accurate, reliable, and always ready for use. It is powered by a standard 9V battery, providing 150-200 operating hours, depending upon the type of battery and usage. It has rugged structure design, good feeling held in operator's hand and convenient use.

1. Operating Features

AC Current	0.1A to 1000A
Insulation Test	100KΩ to 2000MΩ (With option 500V insulation tester unit)
AC Voltage	1V to 750V
DC Voltage	1V to 1000V
Resistance	100mΩ to 20KΩ
Continuity Test	30±20Ω with audio tone

This meter display is a liquid crystal assembly providing a readably display in all light conditions. The decimal point is automatically positioned, and the polarity sign (minus) is lighted for negative DC measurement (plus is under stood if no sign appears), so that the display is direct reading in units selected at the rotary switch. Over range measurements are indicates by blanking all but the MSD, decimal point and polarity sign (if negative). In addition the display includes a low battery is indication. If low battery is indicated, operator should replace the used battery with a new one.

2. Specifications

The following specifications assume a 1-year calibration cycle and an operating temperature of 18°C to 28°C (64°F to 82°F), at relative humidity up to 80% unless otherwise noted.

2.1 AC Voltage (Average sensing, calibrated to rms of sine wave)

Range	Resolution	Accuracy (50Hz-500Hz)
750V	1V	±(1.2% of reading + 5 digits)

Input impedance: 9MΩ

Overload Protection: 750V AC/DC on all ranges

2.2 AC Current (Average sensing, calibrated to rms of sine wave)



Range	Resolution	Accuracy (50Hz-60Hz)
200A	100mA	±(2.5% of reading + 10 digits)
1000A	1A	±(2% of reading + 5 digits) for 800A and below
		±(3% of reading + 5 digits) for others current

Overload Protection: 1200A within 60 seconds.

Jaw Opening: 2" (5cm)

2.3 Insulation Test (With option 500V insulation tester unit)

Range	Resolution	Accuracy
20MΩ	10KΩ	±(2% of reading + 2 digits)
2000MΩ	1MΩ	±(4% of reading + 2 digits) for 500MΩ and below
		±(5% of reading + 2 digits) for others

2.4 DC Voltage

Range	Resolution	Accuracy
1000V	1V	±(1.0% of reading + 2 digits)

Input impedance: 9MΩ

Overload Protection: 1000V DC/peak AC on all ranges

2.5 Resistance

Range	Resolution	Accuracy
200Ω	100mΩ	±(1% of reading + 10 digits)
20KΩ	10Ω	±(1% of reading + 4 digits)

Overload Protection: 500V DC/rms AC on all ranges.

2.6 Continuity Test

Range	Buzzer sound	Protection
200Ω	30±20Ω	500V DC/rms AC

2.7 Environment

Normal Operation: 18°C-28°C (64°F-82°F)

Usable Condition: 0°C-50°C (32°F-122°F)

Storage: -20°C-+60°C (30°F-140°F)