

V882 Precision Transformer Tester



The Advanced Performance of the V882 Provides Comprehensive, Automated, High-Speed Magnetics Testing on a Shoe String Budget

The V882 Precision Transformer Tester offers a wide range of test frequencies from 100Hz up to 200KHz or optionally 1MHz, in order to meet the most demanding applications. The comprehensive capabilities of the V882, allow the unit to perform tests on many different types of magnetic and passive components. The combined "meter" and "tester" operating modes of the V882 permit maximum test flexibility while utilizing state-of-the-art measurement technology.

The 0.2% basic accuracy of the V882 ensures consistent, reliable and repeatable measurements over a large number of test functions. Measurement parameters include – inductance, resistance, impedance, capacitance, turns ratio,

polarity, Q factor, and phase angle. **It has 20 independent test channels for a faster and more efficient production test.**

The large LCD graphic display is accommodated with a pass/fail LED indicator and has an internal speaker. Its improved technology allows it to format up to 6 numeric digits. The versatile I/O interface has a RS-232, printer and remote control port for application with optional cables. Also, the V882 offers optional Multi-link solution software for a more straightforward intuitive operation. The tester has an operating temperature up to 35° C and includes a CE Mark Compliance safety regulation. The V882 Transformer Tester is an easy-to-use, portable unit. A power cord, 4-terminal Kelvin clips, and a user's guide are a few of the significant accessories included.

V882 Advantages

- Test Frequency Up to 200kHz
- Meter and Tester Modes
- Large 320 x 240 LCD Display
- Programmable Test Sequence
- 20 Independent Test Channels
- Built in Ca. Cp Analysis
- CE Mark Compliance
- Optional Multi-link Software



V882 Transformer Tester Specifications

Test Items

Item	Symbol	Test Range
DCR	DCR	1m – 100K
ACR	ACR	1m – 100K
Inductance	L	1 μ H – 99.999H
L. Inductance	L.L.	1 μ H – 99.999H
Capacitance	C	1pF – 9.999mF
Impedance	Z	1m – 100K
Turns Ratio		0.001 – 999.999
Polarity	\pm	
Quality Factor	Q	0.01 – 999.999
Phase Angle	Θ	0.01 $^\circ$ -90.00 $^\circ$
Open / Short	O/S	

Basic Accuracy

$\pm 0.2\%$ (For DCR/ACR/L/C/Z @ 1KHz, 1V)

Measurement Circuit Mode

Series / Parallel Selectable

Measurement Time

0.1 Sec Basic
0.1 – 99.9 Sec Delay Time Programmable
0.1 Sec Resolution

Test Single Information

Frequency
• 100Hz – 200KHz Programmable
• 10Hz Resolution
• Accuracy to $\pm 0.1\%$
Test Signal Level
• L/C: 0.01 to 2Vrms in 10mV Resolution
• DCR: 2.5Vdc
Turns Ratio: 0.1 – 10Vpp in 10mV Resolution
Accuracy: $\pm 0.5\%$

Display and Sound

320 x 240 Graphic LCD Display
6 Digits Numeric Formatting
Pass/Fail LED Indicator/LCD Display
Internal Speaker

Connections

4-Terminal BNC Guarded Connections
20 Independent Test Channels

Front Panel Control Buttons

SysKey/FastKey/EditKey/SoftKey

I/O Interface

RS232 Port
Printer Port
Remote Control Port for Fixture

Memory

512K Flash Memory

Power Supply

115/230 VAC $\pm 10\%$ Selectable
60/50Hz

Safety and Regulation

CE Mark (Pending)

Accessories

4-Terminal BNC Kelvin Clips
RS232 Cable (Optional)
Power Cord
3 --- 2 Power Line Adaptor
User's Guide

Temperature & Humidity

15 $^\circ$ C ~ 35 $^\circ$ C
RH \leq 75%

Dimensions (WxDxH)

425 x 350 x 190mm / 18 x 14 x 7.5"

Weight

Approx. 20.5Kgs / 45.5 Lbs. (w/o Accessories)

Ordering Information

V882	200KHz Advanced Transformer Tester
FX-0000C1	4-Terminal Component Fixture
FX-6882M	20 Terminal ZIF Fixture (w/cables)
FX-6882P	20 Terminal Pneumatic Fixture (w/cables)
SW-6882R2	PC Multi-link Software
RS-2	Null Modem Serial Cables

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