

ANALOG MULTITESTER YX-361TR



Introduction

This is a high grade personal tester equipped with a newly-designed 24 channels one-shot concurrent control switch and enlarged measurement range adopted, featuring a newly-adapted automated setting polarity circuit, and a failure-proof mechanism. Provision of \pm DC center-zero-meter function facilitates recognition of polarities of DC measurement.

Additionally, provision of continuity check indicator by a LED display and direct-connection capacitor terminal (OUTPUT terminal) provides this compact easy-to-use personal tester.

Features

1. 22-channel switch adopted. Total 35 ranges.
2. \pm DCB zero-center-meter incorporated
3. Capacitance checker for capacitor ranging between $1\mu\text{F}$ -1F
4. A continuity check LED for optically-measuring incorporated.
5. Output terminal (series-connected capacitor terminal) attached
6. Measuring Terminals and Test leads with importance attached to their safety
7. Battery Test Range with built-in Actual Load Provided.

General Specifications

Meter sensitivity	44 μA
Range switch	Manual
Accuracy guaranteed temperature & humidity range	23 \pm 2 $^{\circ}\text{C}$ 45~75% RH
Operating temperature humidity range	0~40 $^{\circ}\text{C}$, 80% RH Max. No condensation
Power supply	R6 x 2, 6F22 x 1
Fuse	0.5A/250V (20mm)
Accessory	Instruction manual, Test leads(TL-61), Spare fuse
Dimension	150 x 100 x 37 mm
Weight	Approx. 290g

Measurement Range & Accuracy

DCV

Range	Accuracy	Input Resistance	Remarks
100m/500m/2.5/10/50/250/1000V 25kV (25kV by use of optional probe "HV-10")	±2.5% of max. scale(1000V or below)	20kΩ	---

DCV(NULL)

Range	Accuracy	Input Resistance	Remarks
±5/±25V	±2.5% of max. scale	40kΩ	Zero Centering Method

ACV

Range	Accuracy	Input Resistance	Remarks
2.5/10/50/250/1000V 40Hz~30kHz ±3% 30Hz~100kHz ±1dB (10V or below)	±3% of max. scale (Less than 10V range ±4%)	9kΩ	---

DCA

Range	Accuracy	Input Resistance	Remarks
50μ/2.5m/25m/0.25A (50μA range is common with DC 100mV range)	±2.5% of max. scale	---	Terminal Voltage drop : 250mV

Ohm (Ω)

Range	Accuracy	Input Resistance	Remarks
2k/20k/200k/2M/20M Continuity indicating LED : x 1 range (Emitting light at 10Ω or less)	±3% of scale length	---	Built-in battery 1.5V (SUM-3) x 2 9V(006P) x 1

dB

Range	Accuracy	Input Resistance	Remarks
-10...+10dB(in AC2.5V range)...+62dB 0dB=0.775V(1mW) 600Ω impedance circuit	±3% of max. scale (Less than 10V range ±4%)	9kΩ	---

BATT (Battery Test)

Range	Accuracy	Input Resistance	Remarks
0~1.5V (BAD - ? - GOOD Color-coded scale)	±5% of scale length	---	Load Current : 0.25A

Li (Terminal to Terminal Current)

Range	Accuracy	Input Resistance	Remarks
0~150μA...x1kΩ Range 0~1.5A...x100Ω Range 0~15mA...x10Ω Range 0~150mA...x1Ω Range	±5% of scale length	---	Current flowing across terminals while object is measured.

Lv (Terminal to Terminal Voltage)

Range	Accuracy	Input Resistance	Remarks
Common to each Ω range 3V...0V (Reverse of LI scale)	±5% of scale length	---	Voltage applied across terminals while Ω is measured.

hFE (DC Current Amplification Factor)

Range	Accuracy	Input Resistance	Remarks
Transistor hFE : 0~1000 (in x 10Ωrange)	±3% of scale length	---	Optional hFE connector "HFE-5" must be used.

FET and Semiconductor test

Range	Accuracy	Input Resistance	Remarks
Judges quality of each model of FETs, SCR, Triac etc. with LI and LV values.	---	---	Optional hFE connector "HFE-5" must be used.