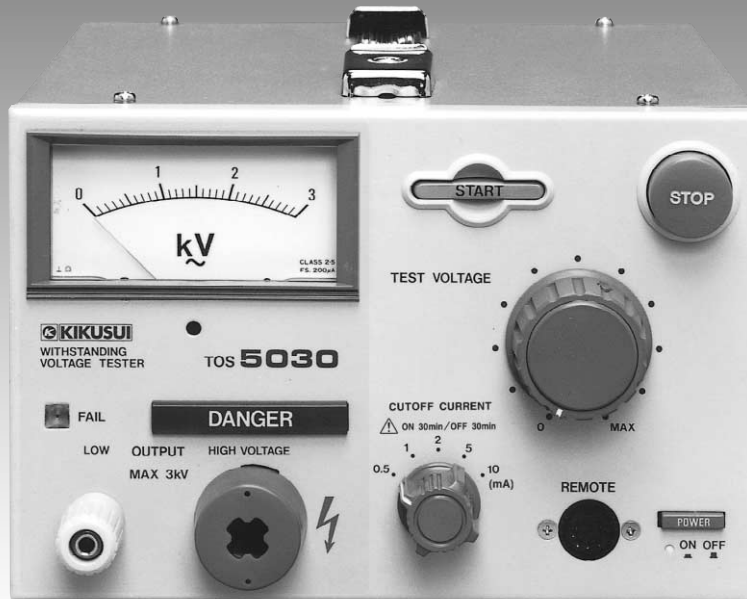


TOS5030

WITHSTANDING VOLTAGE TESTER



Economy Model

AC
3 kV, 10 mA

Outline

The Model TOS5030 is an AC withstanding voltage tester having an AC output of 3 kV and 10 mA. Despite being an economy model, the TOS5030 is equipped with a zero turn-on switch, remote control function for start and stop operations and a FAIL signal output function.

In addition, the compact size and light weight enable it to be used easily for intermediate inspections of devices and testing of electronic components on production lines. (Not compatible with various safety standards.)

With respect to safety and reliability as well, the TOS5030 features a safe construction including a start switch structure that prevents erroneous operation and a narrow insertion port for the high-voltage power cable.

Features

- AC use only (0 to 3 kV)
- Remote control function for start and stop operations
- FAIL signal output (lamp, buzzer and make contact signals)
- Provided with zero turn-on switch
- Safe high-voltage output terminal
- Economy model

Specifications

■ Test Voltage	AC only
Applied Voltage	0 to 3 kV
Wattage Rating	30 VA/3 kV, 10 mA (at nominal line voltage) (note 1)
Waveform	Commercial line waveform
Voltage Regulation	Max. 15% (for max. rated load to no load)
Switching	Use of a zero turn-on switch
■ Output Voltmeter	
Type of Meter	JIS Class 2.5
Scale	3 kV full scale
Accuracy	±5% of full scale
Indication	Mean value response/rms value scale
■ Pass/fail Judgement Function	
Type of Judgement	FAIL judgement *When current detected above reference value *FAIL signal generated when FAIL judgement made
Cutoff Current Setting Values	0.5/1/2/5/10 mA
Judgement Accuracy	±5% of preset cutoff current
Current Detection	Integration of current absolute value followed by comparison with reference value
Calibration	With rms value of sine wave using a pure resistance load
No-load Output Voltage	Approx. 400V when set to 10 mA

■ Remote Control	Test and reset operations can be remote controlled in the following cases: ● When using a separately sold remote control box ● When using a separately sold high-voltage test probe ● When controlling with a make contact signal such as a relay or switch ● When using low active control by a logic device and so on
■ Signal Output	FAIL signal in the form of a lamp, buzzer and make contact signal output
■ Line Voltage Range	100V±10%, 50/60 Hz (note 2)
■ Power Requirements	Max. 10 VA under no-load conditions (READY state) Approx. 45 VA at rated load
■ Dimensions (MAX)	200W × 132H × 215D mm (210W × 160H × 280D mm)
■ Weight	Approx. 4.8 kg (for line voltage of 100V)
■ Accessories	High-voltage test lead TL01-TOS (max. allowable voltage: 5 kV/1.5 m) 5P DIN plug (assembled)

Note 1: Continuous operating time during maximum rated current output: 30 minutes

Note 2: Nominal voltages of 110V, 120V, 220V, 230V and 240V available as factory options.

Rear Panel



(1) FAIL Signal Terminal

A make contact signal is output from this terminal by a FAIL signal.

(2) Ground Terminal

(3) Line Input Terminal (integrated with fuse holder)