

2. 2. VITREK V60 SERIES SAFETY TESTER SPECIFICATIONS

1) AC Hi-Pot Specifications:

Voltage Range	0.100~5.000Kv
Voltage Step	5V/step
Voltage Regulation (line & load)	1% + 5V
Voltage Accuracy	1% of reading +10V
Current Sourcing *	30~40Ma(above 500V, maximum test time: 180 sec) 0.10~29.99Ma(above 500V, continuous test) 0.10~10Ma(below 500V, continuous test)
Current Limit	0.10~40Ma, 0.02Ma/step
Current Accuracy	1% of reading + 50Ma

2) DC Hi-Pot Specifications (V61, V63 only):

Voltage Range	0.100~6.000kV
Voltage Step	5V/step
Voltage Regulation (line & load)	1% + 5V
Voltage Accuracy	1% of reading +10V
Current Sourcing *	0.10~10.00mA(above 500V, continuous test) 0.10~2mA(below 500V, continuous test)
Current Limit	0.10~10mA, 0.01mA/step
Current Accuracy	1% of reading + 50μ A

3) Insulation Resistance Specifications (V62, V63 only):

DC Voltage	50V/100V/500V/1000V
Resistance Accuracy	50V/100V: 1~50MΩ : 5% of reading 51~200MΩ : 10% of reading 201~1990MΩ : 20% of reading 500V/1000V: 1~500MΩ : 5% of reading 501~2000MΩ : 10% of reading 2001~9999MΩ : 20% of reading

4) Continuity Specifications

Test Current	100mA
Resistance Range	0.001 to 1.500Ω
Resistance Accuracy	±0.075Ω

5) Ramp Time and Test Time

AC Hi-Pot Ramp/Test time	000.0~999.9s
DC Hi-Pot Ramp/Test time	000.0~999.9s
Insulation Resistance Time	001.0~999.9s
Ground Bond Test Time	000.0~999.9s

6) ARC Detect

Detect Current	40 level (1~40mA)
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7) Storage

Groups	10
Steps	16

8) Interface

RS-232	Standard
GPIO	Option

9) PLC Control

D-sub 9 pins female	Standard
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10) Scanner Interface

D-sub 9 pins female	Standard
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11) General

Power Source	AC100V, 120V, 220V, 230V \pm 10% 50/60Hz
Operation Environment	Indoor use, altitude up to 2000m. Ambient Temperature 0°C to 40°C. Relative Humidity 80% (Maximum). Installation category II Pollution Degree 2
Storage temperature & Humidity	-10°C to 70°C. 70% (Maximum).
Accessories	TL-20-60 \times 1 Instruction manual \times 1, Power Cord \times 1
Dimension	446(L) \times 330(W) \times 149(H) (mm)
Weight	Approx. 14.9 kgs, 35lbs

The main purpose provided by the series of instruments is for Puncture Testing. The specification is not for continuous test. The temperature of heat sink is monitored. The test procedure will stop if the heat sink is too hot. Please refer to Figure 2-1.

Stop the instrument for 10 minutes when continuously proceeding 30~40mA withstanding test for one hour.

GENERAL SPECIFICATIONS:

Test Database: 10 Test Sequences with up to 16 steps per test sequence

Front Panel Lockout: Prevents database edit while in lockout mode

Arc Detect: 10 level trip select

Remote Interface: Fully interactive RS232 standard, GPIO optional, standard 9-pin D-sub connector with Outputs of Testing, Pass, Fail and inputs of Start, Reset. Output isolation is 400V with 130mA Continuous load current.

Timer Accuracy: 0.10% \pm 50mS

Power Source: AC100V, 120V, 220V, 230V (\pm 10% 50/60Hz), 250W max

Operating Environment: Indoor use, Altitude up to 6500ft (2000m). Installation Category II. Pollution Degree 2

Operating Temperature: 0°C to 40°C, 80% RH max.

Storage Temperature: -10°C to 70°C, 70% RH max

Dimension: 17.6"L x 13"W x 5.9"H, 446(L) x 330(W) x 149(H) mm

Weight: 30 lbs (14kg) net, 34 lbs (16 kg) ship