



## Surge Protection Tester

The Novaris SPT Series allows surge protection installers and maintainers to monitor\* and diagnose surge protection equipment on site. The SPT-02 uses an auto-range function to accurately determine the clamping voltage of voltage limiting products and the firing voltage of voltage switching products. The SPT-02 is also a multifunction device that supports insulation resistance, continuity, voltage and diode testing. Test results are displayed on a 2 x 16 character display.

**SPT - 02**

Product Series

Version

MOV Test	
Measuring Range	5 -- 1020 V DC
Voltage Accuracy	± 3%

GDT Test	
Measuring Range	5 -- 1020 V DC
Voltage Accuracy	± 3%

Voltmeter	
DC Voltage	0 -- 950 V
AC Voltage	0 -- 700V
Resolution	1V
Voltage Accuracy	± 3%

Insulation Resistance	
Test voltage	250, 500, 1000V
Measuring Ranges	250V: 0.2MΩ -- 2GΩ 500V: 0.2MΩ -- 4GΩ 1000V: 0.2MΩ -- 8GΩ
Accuracy	0.2MΩ - 4GΩ : ± 3% 4GΩ -- 8GΩ : ± 5%
Short Circuit Current	1.2mA
Polarisation Index (PI)	on all ranges
Detective Absorption Ratio (DAR)	on all ranges

KΩ Test	
Ranges	1 -- 400kΩ
Short Circuit Test Current	≥ 1.3mA

Standards Compliance	
EN 61010-1 CATIII 600V	
EN 61326-1	

Continuity	
Ranges	0.01 -- 100Ω 100 -- 300Ω 300 -- 1999Ω
Accuracy	0.01 -- 100Ω : ± 1.0% 100 -- 300Ω : ± 1.5% 300 -- 1999Ω : ± 2.0%
Auto Null	up to 5Ω
Buzzer	up to 3Ω

Diode Test	
Test Voltage	5V DC
Max Test Current	1.5 mA
Resolution	0.1V
Measurement Voltage	0 -- 4.5V
Accuracy	± 3%

General	
Fuse	500mA 250V Fast Blow
Display	2 Line x 16 Character LCD
Dimensions	205 (L) x 90 (W) x 55 (D)
Weight	1.5kG
Power Source	1.5V AA x 6
Storage Temperature	-20°C to 70°C
Accessories	Test Leads Fuse (0.5A 250V) Heavy Duty Case Instruction Manual Batteries

\* Measurements of SPDs with intact display hardware will be inaccurate due to the current required to drive the hardware.