MARTINDALE ELECTRIC

Keeping You Safe

PDS, PDSRD & PDSRDX Proving Units

For safe isolation and calibration checking

Technical Data









Key features

- Ideal for proving low and high impedance voltage indicators, test lamps and two pole testers
- Includes MG3 high strength magnetic hanger
- Colour coded for voltage output (230V, 440V and 690V)
- Tough overmoulded low profile design
- Long battery life with low battery indicator and auto power off

Additional features PD440SRDX

- Unique CALCHECK feature for verifying insulation and low resistance ranges of installation testers
- Stepped voltage output matched to two pole tester thresholds

Additional features PD230SRD, PD440SRD, PD440SRDX, PD690SRD

- AC or DC output selectable by push button switch
- Stepped voltage output matched to two pole tester thresholds

	PD230SRD	PD440S	PD440SX	PD440SRD	PD440SRDX	PD690S	PD690SRD
Maximum Voltage Output	230V	440V				690V	
LED Voltage Thresholds	230V, 120V, 50V	440V	440V, 230V, 120V, 50V			690V	690V, 440V, 230V, 120V, 50V
AC output mode	✓	✓	✓	✓	✓	✓	✓
DC output mode	✓			✓	✓		✓
Low Battery LED	✓	✓	✓	✓	✓	✓	✓
High/Low Z compatible	✓	✓	✓	✓	✓	✓	✓
CALCHECK resistance values			✓		✓		
Colour-coded to match voltage indicators	✓	✓	✓	✓	✓	✓	✓
Suitable for	Multimeters & voltage testers (>9kΩ)	Multimeters, multifunction testers, 4-500V voltage testers & Drummond test lamps				Multimeters, 690V voltage testers & Drummond MTL15 test lamp	

Safe electrical working requires the use of a voltage indicator that has been proven with a suitable proving device before and after use to ensure the instrument is working correctly in accordance with the Electricity at Work Regulations.

With all the benefits of the industry standard Martindale PD440 and PD690 proving units, the S models come in an overmoulded low profile case with magnetic hanger. They are fast and easy to use, instantly supplying the full test voltage for both high and low impedance voltage indicators, test lamps and meters.

The SRDX model has a unique CALCHECK feature making it easy to verify the insulation and low resistance ranges on 18th Edition multifunction testers, wherever you are working. In addition, the new SRD and SRDX models have stepped voltage LEDs with thresholds matched to most voltage indicators and two pole testers.

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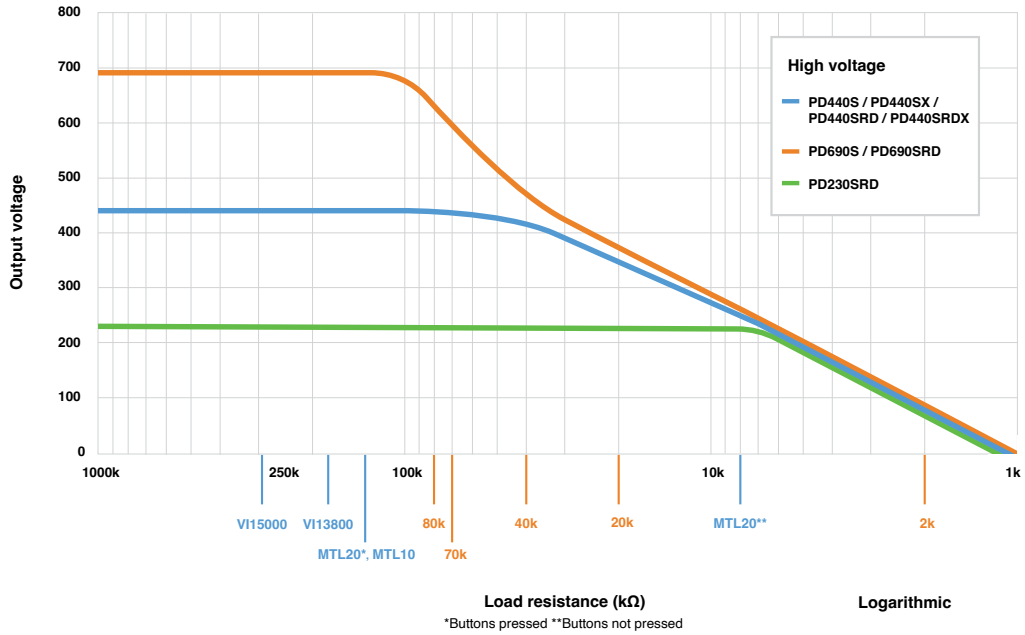
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Specifications

FUNCTION	PD230SRD	PD440S	PD440SX	PD440SRD	PD440SRDX	PD690S	PD690SRD
ELECTRICAL							
Output voltage AC 50Hz or DC (Note 1)	230V	440V				690V	
LED Voltage Thresholds	230V, 120V, 50V	440V	440V, 230V, 120V, 50V			690V	690V, 440V, 230V, 120V, 50V
ENVIRONMENTAL							
Temperature & Humidity (Operating & Storage)	-10°C to 40°C at max. 70% R.H.						
Altitude	up to 2000m						
Pollution Degree	2						
GENERAL							
Power	6 x 1.5V, AA alkaline batteries (IEC LR6, NEDA 15A)						
Dimensions	150 x 80 x 35mm						
Weight	355g approx. with batteries						
CALCHECK							
Insulation test resistance nominal values (Note 2)			0.5MΩ (max test voltage 1kV) 1.0MΩ (max test voltage 1kV)		0.5MΩ (max test voltage 1kV) 1.0MΩ (max test voltage 1kV)		
Continuity test resistance nominal values (Note 2)			0.5Ω (max test current 200mA) 1.0Ω (max test current 200mA)		0.5Ω (max test current 200mA) 1.0Ω (max test current 200mA)		

Note 1 – Voltage +/- 10% into 250kΩ. TRMS meter required to accurately measure voltage.
Note 2 – Nominal values intended to verify that continuity and insulation resistance has not drifted over a period of time.

Typical output voltage AC rms vs loading (kΩ)



*Buttons pressed **Buttons not pressed

Included

MG3 magnetic hanger
6 x 1.5V AA alkaline batteries
Instruction manual

Related products

VI13800 Voltage Indicator
VI15000 Voltage Indicator
MTL10 440V Drummond test lamp
MTL20 440V Drummond test lamp
MTL15 690V Drummond test lamp
VT12, VT25, VT28 two pole voltage testers.

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