PDS & PDSX 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 (440V and 690V)
- Tough overmoulded low profile design
- Long battery life with low battery indicator and auto power off

Additional features PD440SX and PD690SX

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

	PD440S	PD440SX	PD690S	PD690SX
Maximum Voltage Output	440V AC	440V AC	690V AC	690V AC
LED Voltage Thresholds	440V	50V, 120V, 230V, 440V	690V	50V, 120V, 230V, 400V, 690V
High Voltage LED	✓	Multiple	✓	Multiple
Low Battery LED	✓	✓	✓	✓
High/Low Z compatible	✓	✓	✓	✓
CALCHECK resistance values		✓		✓
Colour coded to match voltage indicators	✓	✓	✓	✓
Suitable for	Multimeters, voltage testers & Drummond test lamps	Multimeters, voltage testers & Drummond test lamps	Multimeters, voltage testers & Drummond test lamps	Multimeters, voltage testers & Drummond test lamps

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 new 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 SX Series have 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 SX models have stepped voltage LEDs with thresholds matched to most voltage indicators and two pole testers.

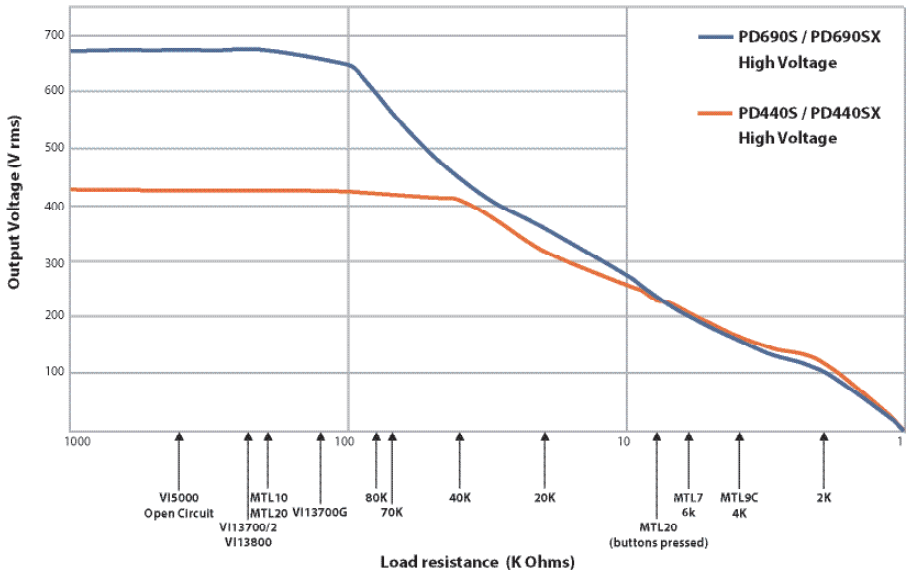
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Specifications

FUNCTION	PD440S	PD440SX	PD690S	PD690SX
ELECTRICAL				
Output voltage	440V nominal	440/230/100/50V nominal	690V nominal	690/230/100/50V nominal
Output frequency	50Hz nominal	50Hz nominal	50Hz nominal	50Hz nominal
Output loading	See typical output voltage vs. loading graph			
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	350g approx. with batteries			
CALCHECK				
Insulation test resistance nominal values		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		0.5Ω (max test current 200mA) 1.0Ω (max test current 200mA)		0.5Ω (max test current 200mA) 1.0Ω (max test current 200mA)

Typical Output Voltage vs. Loading



Included
MG3 magnetic hanger, 6 x 1.5V AA alkaline batteries and instruction manual

Related products
VI13800 440V voltage indicator, VI-15000 690V voltage indicator, MTL10 and MTL20 440V Drummond test lamps, MTL15 690V Drummond test lamp, VT12, VT25, VT28 two pole voltage testers

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