



## Ethos 4299 Instruction Manual

### **Important please read instructions carefully before use**

1. Prove your VI is working by placing a probe in each hole. Contact the bottom with the right hand hole then apply gentle downward pressure on the (red) left hand probe - this will activate a switch - the Power LED Will illuminate and the proving unit will launch into Auto Prove Mode.

2. The Proving Unit output voltage will automatically step up to 690V (note the 400V LED is used to indicate all voltages greater than 400V) and then step back down 690V→ 400V→ 230V→ 100V→ 50V→ OFF (to re-prove slightly lift the left-hand probe and re-apply the downward pressure).

The advantages of the Auto Prove Mode are:

a) Individual voltages are applied at key voltage test points

b) If the Two Pole Voltage Indicator draws a high current from the proving unit the Auto Prove mode will pause. This is a useful feature for testing certain types of Two Pole Voltage Indicators including those with filament lamps. Eg Drummond and Cyclim.

c) Significant battery savings as power is automatically switched off when the Proving Test is completed

3. In addition your proving unit can also test non-contact type voltage detectors. If necessary activate the Voltage Detector (switch on) – apply the detecting tip to the area indicated on the front panel and press the Push to Test switch to check for correct operation.

4. Having established that the VI is working correctly carry out the testing required - if in doubt at any time use the Proving Unit to reprove the correct functioning of the VI.

5. Having completed your test session always re-prove the VI used to ensure that the VI is still functioning correctly.

**Distributed by MTi**

Victoria Road,  
Avonmouth,  
Bristol,  
BS11 9DB

Tel: 0117 938 6400

Fax: 0117 923 5374

Email: [enquiries.ethos@adivision.co.uk](mailto:enquiries.ethos@adivision.co.uk)

Web: [www.ethos-instruments.co.uk](http://www.ethos-instruments.co.uk)