

ACS

**AUTOMATED CALIBRATION
AND REPAIR SERVICES**

AUTOMATED CALIBRATION SERVICES

ACS Building, Littleburn Industrial Estate

Langley Moor, DURHAM DH7 8HJ

Tel: 0191 378 3988 Fax: 0191 378 3973

Certificate No.

0101179

Certificate of Calibration

Date of Issue: **25-10-2010**

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Job No: **BGR/037229**

Client: **CITY ELECTRICAL FACTORS LTD
CAERNARFON ROAD
BANGOR
NORTH WALES
GWYNEDD
LL57 4SU**

Description: **Digital Portable Appliance Tester**

Manufacturer: **Seaward**

Type: **Supernova Plus**

Serial No: **T16-0239**

Date of Calibration: **25-10-2010**

Pre-cal Status: -

Test Conditions

The ambient temperature throughout the period of test was $20 \pm 2^{\circ}\text{C}$ and the relative humidity $50\% \pm 10\% \text{ rh}$.

The instrument was calibrated using Laboratory Standards traceable to National or International Standards.

The calibration and procedures used are proven to meet the requirements of ISO 9001:2000.

Unless stated otherwise, all results recorded were found to meet the manufacturer's published specification.

Standards Used: **LSTE 099,100**

Calibrated by: **Ursula Brown**

Certified by: **I. Park**

SUPERNOVA

The reported uncertainty is based on standard uncertainty multiplied by a covering factor $k=2$, providing a level of confidence of approximately 95%

CERTIFICATE OF CALIBRATION

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SUPERNOVA

Range	Applied Value	Indication	Uncertainty
EARTH BOND 25A	0.100 Ω	0.10 Ω	0.1% + 1 mΩ
	0.600 Ω	0.61 Ω	
10A	0.100 Ω	0.09 Ω	
	0.600 Ω	0.60 Ω	
4A	0.100 Ω	0.09 Ω	
	0.600 Ω	0.60 Ω	
100mA	0.100 Ω	0.10 Ω	
	0.600 Ω	0.60 Ω	
250V INS	2.00 MΩ	2.04 MΩ	0.1% + 1 DIGIT
500V INS	2.00 MΩ	2.03 MΩ	
LOAD TEST	1.3 kVA	1.36 kVA	2.5%
LEAKAGE	1.00 mA	0.95 mA	1%
FLASH I	1.25 mA	1.28 mA	
FLASH II	1.25 mA	1.29 mA	