

# CERTIFICATE OF CALIBRATION

Issued By Britannia Test & Measurement Ltd

Date of Issue 23 February 2017

Certificate Number

STD4555

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**Britannia Test & Measurement**  
Cleveland House  
Eston Road  
Middlesbrough  
TS6 6UA

Approved Signatory

A.O'Brien

P.Trattles

**Customer :** ViaMed

Date Received :

<b>Instrument -</b>	System ID :	ID2750	
	Description :	Electrical Safety Analyzer	
	Manufacturer :	Fluke	
	Model Number :	ESA615	
	Serial Number :	2433026	Last Certificate Number : STD2785
	Procedure Version :	1.00	Last Calibration Date : 23/02/2016

## Environmental Conditions

Temperature :	21°C +/- 1°C	Mains Voltage :	240V +/- 10V
Relative Humidity :	50% +/- 10%	Mains Frequency :	50Hz +/- 1Hz

## Comments

## Traceability Information

Instrument description	Serial number	Certificate number	Cal. Date	Cal. Period
3200A Electrical Test Calibrator (STD)	M1384F15	31255	08/07/2016	52
2010 Multimeter	1174024	32809	13/02/2017	52

**Calibrated By :** P.Trattles

**Date of Calibration :** 23 February 2017

This certificate provides traceability of measurement to recognised National Standards, and to the units of measurement realised at the National Physical Laboratory or other recognised National Standards laboratories.

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This certificate complies with the requirements of BS EN ISO 10012:2003.

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Test Title	Tolerance	Applied Value	Reading	Pass/Fail
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*End of results*

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## Uncertainties

Earth Bond Ohms	0.5% + 4mohms
Bond Current	0 to 30 Amps: 1.5% + 6counts.
PAT Leakage	1.5% + 0.3mA
Insulation Ohms	10kohms to 5Mohms: 0.1%, 5Mohms to 10Gohms: 1% +/- 1 Digit.
Frequency	0.1ppM ± 1digit
Resistance	0 to 10MOhms 0.005% ± 1digit: 10Mohms to 1Gohm 0.4% ± 1 digit
A.C. Current	0 to 10A: 0.02% ± 2digit
A.C. Voltage	0 to 1000V: 0.01% ± 1digit