

CERTIFICATE OF CALIBRATION

Issued by: RS Components Ltd

Date Issued: 27 May 2008

Certificate No. 1098426



RS Calibration

Calibration and Repair Service

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J.C. McCay
Colum McCay

Client	VIAMED KEIGHLEY WEST YORKSHIRE BD20 7DT
Instrument	TIME 1030 MICROCAL
Serial No.	6839K6
Client Reference	N/A
Procedure ID.	610.348 HP34401A Rev. P1
Date of Calibration	27 May 2008

Remarks

This certificate reports recorded values for the instrument 'As Received'.

Uncertainties

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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UKAS Accredited Calibration Laboratory No. 0310



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The ambient temperature and relative humidity throughout the calibration were $(20 \pm 1)^{\circ}\text{C}$ and $(50 \pm 10) \% \text{RH}$ respectively.

Prior to the calibration the instrument was held within the laboratory for a period of not less than 30 minutes.

The instrument was calibrated by outputting values to the input terminals of a digital multimeter and recording the measured values in the tables below.

All measurements are based on four readings. The average measured values are reported in the table below.

Range	Output Value	Measured Value	Measurement Uncertainty
1 V	0.2 V	0.200 28 V	$\pm 550 \text{ uV}$
1 V	0.6 V	0.600 25 V	$\pm 560 \text{ uV}$
1 V	1 V	1.000 24 V	$\pm 580 \text{ uV}$
100 mV	100 mV	100.022 mV	$\pm 9 \text{ uV}$
10 mV	10 mV	10.001 9 mV	$\pm 9 \text{ uV}$
100 mA	100 mA	100.104 mA	$\pm 17 \text{ uA}$
10 mA	10 mA	9.996 8 mA	$\pm 6 \text{ uA}$

END OF CALIBRATION

CALIBRATED BY:-

HCM

Compliance to Specification

The specification published by the manufacturer and found in the instrument's handbook has been used to determine performance at the measured points.

Reported values not annotated.

The instrument complies with the stated specification, due allowance having been made for the uncertainty of measurement which carries no implication regarding the long term stability of the instrument.