

# CERTIFICATE OF CALIBRATION

ISSUED BY: LAMBDA CALIBRATION LTD

DATE OF ISSUE: 27<sup>th</sup> August 2025

CERTIFICATE No: 937671



0495



Lambda  
CALIBRATION LTD

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APPROVED SIGNATORY

  
C Reed E Santos R Armitage  
K Quigley D Pilkington

Customer: DJB Labcare Ltd, Newport Pagnell, MK16 9QS  
Item No: 230096  
Description: Frequency Counter  
Model/Range: PFM1300  
Manufacturer: TTI  
Date of Cal: 27/08/2025  
Basis: E-900  
Equipment Used: GPS Frequency Reference (LGPS), Function Generator (LFG-02, LSG-03)  
Temp/Humidity: 20°C ± 2°C, <80%rh

Initial Inspection on Receipt: (For information only – not part of our UKAS accredited schedule).

Unit Under Test (UUT) Condition	Functional.
Condition of Supplied Leads	None Supplied.
Battery	Functional.

## Summary of Results:

Pre Calibration Status	The reported results fall within the specified tolerances
Post Calibration Status	The reported results fall within the specified tolerances
Adjustments	No
Repairs	No
Test Leads Used	Laboratory test leads were used in the calibration.
Comments	-

Measured results and measurement uncertainties are detailed on the following pages.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements. Unless otherwise stated: [1] The 'Compliance Statement' is based on 'simple acceptance' (result vs tolerance) with the relevant calibration uncertainty being no greater than the tolerance. [2] Reported activities were carried out at the address detailed in the header. [3] The results relate only to the items calibrated. This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and / or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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ISSUED BY: LAMBDA CALIBRATION LTD

UKAS ACCREDITED CALIBRATION LABORATORY No: 0495

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## Frequency Accuracy (Input A)

UUT Range	UUT Gate	Applied Frequency (Hz)	UUT Indication (Hz)
Freq A	10s	10.0000000	10.000014
Freq A	10s	100.000000	100.00014
Freq A	10s	1.00000000k	1.0000014k
Freq A	10s	1.00000000M	1.0000014M
Freq A	0.1s	10.00000M	10.0000M
Freq A	1s	10.000000M	10.00001M
Freq A	10s	10.0000000M	10.000014M
Freq A	1s	25.0000000M	25.000035M

## Frequency Accuracy (Input B)

UUT Range	UUT Gate	Applied Frequency (MHz)	UUT Indication (MHz)
Freq B	10s	20.0000000	20.000029
Freq B	10s	500.000000	500.00074
Freq B	0.1s	1000.0000	1000.001
Freq B	1s	1000.00000	1000.0014
Freq B	1s	1300.00000	1300.0018
Freq B	10s	1300.000000	! 300.00192

! Denotes overflow arrow symbol illuminated.

## Period Accuracy (Input A)

UUT Range	UUT Gate	Applied Time Period (s)	UUT Indication (s)
Period A	0.1s	1000.0000μ	999.999μ
Period A	1s	1000.00000μ	999.9986μ
Period A	10s	1000.000000μ	999.99852μ

Manufacturers Tolerance applicable to above results:  $\pm(1 \text{ digit} + \text{Timebase Accuracy (7ppm)})$

End of Results

## Estimated Uncertainty of Measurement:

Frequency:  $\pm(0.29\text{ppm} + 1.5\mu\text{Hz} + 2 \text{ digits})$