



# Certificate of Calibration

CUSTOMER: TOTAL LABORATORY SERVICES LTD JOB No: 0538211

ORDER NO: 2024054 CUST. REF: NO CUST REF

MAKE: SCHMIDT TYPE: PH-200L

DESCRIPTION: DIGITAL TACHOMETER SERIAL No: B17B4011

AMBIENT TEMPERATURE\*: 20 ± 3 °C HUMIDITY: 50 ± 25 %RH

This is to certify the above instrument has been calibrated in accordance with a relevant specification and at those points tested the result(s) were\*:

Found to meet that specification	Found to meet that specification after on receipt	Measurements recorded in absence of relevant specification	Found NOT to meet that specification – Calibration restrictions apply
Pre-Calibration repair performed <input type="checkbox"/>	Optimising adjustment performed <input type="checkbox"/>	Calibration performed away from laboratory* <input type="checkbox"/>	Calibration performed by subcontractor* <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Absolute Calibration Complies with BS EN ISO 17025 and BS EN ISO 9001

\*For calibration performed away from our laboratory or by a subcontractor please see the attached certificate for environmental conditions and calibration/measurement details.

The above statement of conformity (e.g. Pass/Fail) to specification is made without taking measurement uncertainty into account unless stated otherwise in the report.

In order to comply with the above standards Absolute Calibration has to ensure that all measurements carried out in its laboratories are traceable to national standards.

**Approved Signatory**

DATE: 18 - 03 - 2024

**Absolute Calibration Limited**

14 Murrills Estate, Portchester, Hampshire, England, PO16 9RD

T: 023 9232 1712 | W: absolutecd.co.uk | E: calit@absolute-cal.co.uk



# Absolute Calibration Limited

14 Murrills Estate, Portchester, Hampshire, England, PO16 9RD  
T: 023 9232 1712. F: 023 9221 0034  
W: absolufecdl.co.uk E: calif@absolute-cal.co.uk

Report No.  
**538211**

## Calibration Laboratory Report

Laboratory Ambient Temperature 20 ± 3 °C Laboratory Ambient Humidity 50 ± 25 %RH

Description: DIGITAL TACHOMETER

Make: SCHMIDT

Type: PH-200L

Classification

Serial No: B17B4011

Cust. Ref: —

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	B	C	R	N

Customer: **Total Laboratory Services Ltd.** Order No: 2024054

code: TOT008

Test Step No	Function Tested	Nominal Result	Measured Value		Out of Tol	Manufacturers Specification
			As Found	After Adjust		
	<u>I/P Freq</u>	<u>Input RPM</u>	<u>Ind RPM</u>			
	0.10000 Hz	6.0	6.0			± (1 RPM + 1 digit)
	0.41666 Hz	25.0	25.0			
	0.83333 Hz	50.0	50.0			
	1 Hz	60.0	60.0			
	1.666 Hz	100.0	100.0			
	2.5 Hz	150.0	150.0			± (0.01% + 1 digit)
	3.3333 Hz	200.0	200.0			
	4.1666 Hz	250.0	250.0			
	9.833 Hz	590.0	590.0			
	10.166 Hz	610.0	610.0			
	16.666 Hz	1000.0	1000.0			± (0.01% + 1 digit)
	83.333 Hz	5000.0	5000.1			
	166.666 Hz	10000	10000			

All measurements are traceable to National Standards

Calibrated By: *S. Swift*

*[Signature]*

Date: 18-03-2024

SCHPH200L-TOT008 Issue 1

Page 1 of 3

Test Step No	Function Tested	Nominal Result	Measured Value		Out of Tol	Manufacturers Specification
			As Found	After Adjust		
	<u>I/P Freq</u>	<u>Input RPM</u>	<u>Ind RPM</u>			
	333.333 Hz	20000	20000			
	500.000 Hz	30000	30001			
	666.666 Hz	40000	40001			
	833.333 Hz	50000	50001			± (0.01% + 1 digit)
	1000.00 Hz	60000	60001			
	1166.66 Hz	70000	70002			
	1333.33 Hz	80000	80002			
	1500.00 Hz	90000	90002			
	1650.00 Hz	99000	99003			

Earth Bonding and Electrical Safety Test	
Visual Inspection Ck ( )	Mains Lead Ck ( )
Earth Continuity	Load Test
Insulation Test	Leakage Test

Instruments used in this Calibration	
ACL CODING	RECAL DUE
C2809	OCT - 24
C2883	DEC - 24

UNCERTAINTIES OF MEASUREMENT
<u>FREQUENCY</u> ± 3pp10E9 + 1 COUNT.