



COMMITTED TO THE
CUSTOMER SINCE - 1996

Vaidyanatheshwara INSTRUMENTS

CERTIFICATE OF CALIBRATION



No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
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NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

Date of Issue: 04 - 03 - 2023
Sheet: 1 OF 1

Format No: VI-FRM-ME-041		ULR NO.: CC247323100008293F		Report No: VI/22-23/8113-18	
Customer Name and Address		M/s. MAG ENGINEERING Unit A, 46A, 3 rd Main, 2 nd Phase, Peenya, Bangalore, Karnataka - 560058.			
Customer Ref. No. and Date		DC NO: SAI/RGP 21-22/0351 & 28-02-2023	Received Condition	Satisfactory	
SRF NO		8113	Date of Receipt	01-03-2023	
CALIBRATED INSTRUMENT / EQUIPMENT DETAILS					
Nomenclature	Thread Plug Gauge	Make	MASTER METROLOGY		
Size	1.1/16"X12UNF-2B	Customer Instrument Reference No.	G4614-G4615 / M121		
Calibration Done At	VI Mechanical Lab	Temperature / Humidity	19.9 - 20.1°C 52% - 52% (RH)		
Calibrated on	04 - 03 - 2023	Calibration due on	03 - 03 - 2024		
Discipline	Mechanical (Dimensional)				
MASTER EQUIPMENT TRACEABILITY DETAILS					
Nomenclature	Make	Range / Resolution	ID No.	Certificate No.	Traceable To
Universal Length Machine	Octagon	Upto300 mm / 0.1 µm	VI-ME-013	VI/22-23/INT-ME-170-01	VI-Bangalore
CALIBRATION PROCEDURE					
Used Wire Size: 1.100 mm			Measuring Method: Three Wire Method		
Standard Used: ANSI/ASME B1.2:1983-Class-x			SOP NO: - 16-37		
The Three Wire Method of Measuring Pitch Diameter					
Gauge Nominal Values AS PER IS STANDARD					
Gauge Nominal value	Go Side (mm)		No-Go Side (mm)		
Major Diameter Max Value	27.0027		26.7179		
Major Diameter Min Value	26.9875		26.7026		
Effective Diameter Max Value	25.6210		25.8013		
Effective Diameter Min Value	25.6134		25.7937		

Calibration Results of Go side

Sl.no	Effective dia (mm)	Deviation (µm)
01	25.6060	-7.4
02	25.6063	-7.1

Calibration Results of No-Go side

Sl.no	Effective dia (mm)	Deviation (µm)
01	25.8069	+5.6
02	25.8066	+5.3

Conclusion:

Uncertainty of calibration at 95.45% Confidence level and Coverage Factor K = 2: $\pm 3.2 \mu\text{m}$
The Reported Results are valid only for the conditions of the received Instruments /gauges at the time of and under the stated conditions of the calibration.

Calibrated By

Checked By

Authorized Signatory

Syed Sikander
(Calibration Engineer)

P.Santhosh Kumar
(Lab-In Charge)

