



NABL ACCREDITATION  
CERTIFICATE No.: CC-2323



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CALIBRATION CERTIFICATE OF <b>GAUGE BLOCK ACCESSORIES</b>	CALIBRATION CERTIFICATE NO. <b>KCP/03/19-20/4419.</b>	
	ULR No: <b>CC2323 19 0 00008820 F</b>	
DATE OF CALIBRATION: 15-10-2019	PAGE: 1 OF 2	NO. OF PAGES: 2

NAME & ADDRESS OF THE CUSTOMER : **M/s. NATIONAL CENTRE FOR QUALITY CALIBRATION**  
House No. 4 Abhishree Corporate Park,  
Near Swagat Bungalow BRTS, Iskon-Ambli Road, Ambli  
**AHMEDABAD – 380 058.**

CUSTOMER'S REFERENCE : DC NO: 24092019.

DATE OF RECEIPT : 01-10-2019

ITEM FOR CALIBRATION : Gauge Block Accessories, Type: 16 Pcs  
Sr No: 10364, ID NO: NCQC/M-117  
Make: KCP  
**DISCIPLINE:** Mechanical-Dimension,  
**GROUP:** Basic Measuring Instrument, Gauges etc

CONDITION OF ITEM : OK

LAB WORK ORDER NO. : 19-20/328

CALIBRATION PROCEDURE : Determination of actual size & parallelism Of measuring jaw & base  
by comparing with master gauge blocks as per procedure No.KCP/PCD/07-03  
& as per IS 4440:1996

EQUIPMENTS / REFERENCE CALIBRATION STANDARDS : Used standards are traceable to National standards  
(direct/thro' NABL accredited Lab.)

Sr.No.	Type of Master equipments	I.D. No.	Calibration Report No.	Valid Up to
1.	Gauge Block set, M88/1, Gr. '0'	117	KCP/01/18~19/8321	16.03.2021
2.	Gauge Block Calibrator	991	KCP/04/19~20/3839	12-09-2021
3.	Optical Flat	00936	18/53/01/352-L/3/082	28.06.2020

ENVIRONMENTAL CONDITION : 20° ± 1° C

UNCERTAINTY OF MEASUREMENT : ± 0.4 µm up to 25 mm length

The Uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor K=2 corresponds to confidence level of 95.45%

<b>CALIBRATED BY</b>  <b>V.V.SIMANT</b> <b>(Inspector)</b>	 <b>K.C.PRECISION</b> <b>CALIBRATION</b> <b>LABORATORY</b> <b>AMBALI AHMEDABAD</b>	<b>AUTHORIZED SIGNATORY</b>  <b>T.V.JAMKHEDKAR</b> <b>(Technical Manager)</b>
<ul style="list-style-type: none"> <li>This certificate refers only to the particular item(s) submitted for calibration.</li> <li>The calibration results reported in this certificate are valid at the time of &amp; under the stated condition of measurement.</li> <li>This certificate shall not be reproduced except in full, unless written permission of Quality Manager (Calibration Lab)</li> </ul>		

NCQC System Certificate No. 264

NCQC  
Valid up to 14-10-2023  
Reviewed



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Reference Precision Instruments

[www.kcpindia.com](http://www.kcpindia.com)

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**CALIBRATION RESULTS**

**ITEM FOR CALIBRATION:** Gauge Block Accessories

**TYPE:** 16 Pcs

**SR NO:** 10364

**ID NO:** NCQC/M-117

**MAKE:** KCP

**LAB WORK ORDER NO:** 19-20/328

**A. Calibration Results of Base:-**

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
25.0	25.0005/25.0003	0.0002	0.0003

**B. Calibration Results of Half Round Jaw:-**

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
2.5 A	2.5005	0.0005	0.0003
2.5 B	2.5004	0.0003	0.0003

**C. Calibration Results of Plain Jaw:-**

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
5.0 A	5.0005	0.0005	0.0003
5.0 B	5.0005	0.0003	0.0003
6.0 A	6.0004	0.0003	0.0003
6.0 B	6.0005	0.0004	0.0003


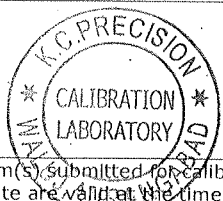
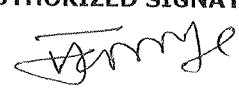
**D. Calibration Results of Parallel Jaw:-**

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
----	17.5323	0.0002	0.0003

**E. Calibration Results of Measuring Jaw:-**

Nominal Length 'mm'	Actual size 'mm'	Parallelism 'mm'	Flatness 'mm'
A	17.1384/17.1380	0.0004	0.0003
B	17.1350/17.1355	0.0005	0.0003

**F. Flatness of Centre Point: 0.0015 mm**

<p><b>CALIBRATED BY</b></p>  <p><b>V.V.SIMANT</b> (Inspector)</p>		<p><b>AUTHORIZED SIGNATORY</b></p>  <p><b>T.V.JAMKHEDKAR</b> (Technical Manager)</p>
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