

TANSON INSTRUMENT

(ULTRA-HIGH PRECISION MEASUREMENT & CALIBRATION)



CALIBRATION CERTIFICATE OF CALIPER CHECKER

Calibration Date: 22/03/2018

Calibration Due Date: 21/03/2020

No. of Pages: 1 of 2

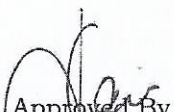
Certificate No. TI/C/CC/001/18

Tested for	:	M/s. NUTAN CALIBRATION LAB. H. No. 445-B, 'NSI House' Street No. 8, Durgapuri Extn. Shahdara, Delhi-110093 (India).
Description & Identification of Instruments	:	Caliper Checker (Steel), Make: KCP, Range: 0-600mm, Sr. No.: 1548, Id. No.: NCL/M/010, Model No.: CC 600.
Coefficient of Thermal Expansion	:	$11.5 \times 10^{-6} / ^\circ\text{C}$
Test Purpose	:	Measurement of Caliper Checker for their mean length
Environmental Conditions	:	Temperature $(20 \pm 1)^\circ\text{C}$ Humidity : $(50 \pm 10)\%$
Method Used	:	Comparison method as per TI/WI/01
Major Equipment Used	:	Laser Interferometer, S. No H43179, Make: Renishaw, Model: XL 80, Calibrated from NPL New Delhi, Vide their Certificate No.16031433/D 6.03/C/014 Calibrated dated 04/04/2016 valid up to 04/04/2018. Angular Uncertainty : 0.01 Sec. and Linear Uncertainty : $\pm 0.1 \mu\text{m/m}$
Uncertainty of measurement : (At 95% Confidence level with Coverage factor $k=2$)	:	$\pm 1.5 \mu\text{m}$

TRUE COPY


Calibrated By
Sumit Tanwar




Approved By
Dy. TM
(Hitesh Tanwar)

This certificate pertains to the items calibrated at TANSON INSTRUMENT. No report should be reproduced without prior permission. The results produced in this certificate are valid under stated condition at the time of calibration