



Certificate of Calibration

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Customer ; DIMENSION CALIBRATION CENTER CO., LTD.
33/5-6 MOO 4 SUKPRAYOON ROAD , TAMBON DONHUA
AMPHUR MUANG , CHONBURI THAILAND 20000

Instrument ; Short gauge block (steel)

Manufacturer ; Mitutoyo

Code no. ; 1234

Set no. ; 1234

Range ; 0.5 mm to 100 mm

Serial no. ; 1234

Identification no. ; N/A

Reference no. ; S555-1234

Date of received ; July 9, 2012

Date of calibration ; July 11, 2012

Date of issued ; July 18, 2012

Mr.Krairerk Kersopa
Technician

Mr.Chatchapol Jirojjaturonn
Laboratory manager

The calibration cover by this certificate have been performed in accordance with the requirement of ISO/IEC 17025: 2005.

The reported uncertainty is based on standard uncertainty multiplied by coverage factor $k = 2$ providing of confidence approximately 95%.

This calibration certificate may not be reproduced other than in full except with the permission of Director of Dimension Calibration Center Co.,Ltd.



Certificate no.

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Reference standard instrument and traceability

Gauge block comparator EMP II serial no.100112

Certificate no.

Date of calibration

Due date

CC555-01-0110

April 24, 2012

April 23, 2013

Traceable to National Institute of Metrology (Thailand) through certificate no.DM-0480/09.

Ceramic gauge block set serial no. 0401081

Certificate no.

Date of calibration

Due date

DE-0022-10

May 12, 2010

May 11, 2013

Traceable to National Institute of Metrology (Thailand) through certificate no. DE-0022-10.

Measurement method

Standard method comparison measurement base on ISO 3650 according to work instruction WI5-03-01.

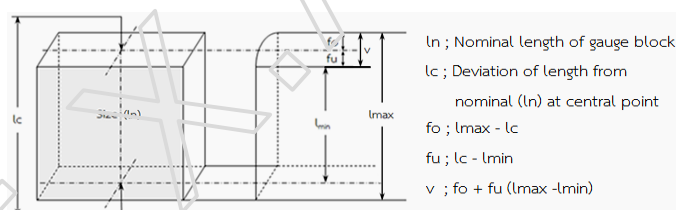
Environment conditions

The measurement was carried out within ambient temperature of $(20 \pm 0.5) ^\circ\text{C}$ and relative humidity of $(55 \pm 10) \% \text{ RH}$.

Uncertainty of measurement

The uncertainty state is the expanded uncertainty which obtained by multiplying the standard uncertainty by coverage factor $k=2$. It has been determined in accordance with EA publication EA-4/02 "Expression of the Uncertainty of Measurement in Calibrations" and "Guide to the Expression of Uncertainty in Measurement (GUM)". The values of assigned presents within the range of values with probability of 95%.

Measurement data



unit; μm

Nominal mm	serial no.	lc	fo	fu	$l_{\max} - l_{\min}$

Uncertainty of measurement ($\pm$) μm

End certificate