



Certificate of Calibration

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Customer ; DIMENSION CALIBRATION CENTER CO., LTD.
3/5-6 MOO 4 SUKPRAYOON ROAD , TAMBON DONHUAROH
AMPHUR MUANG , CHONBURI THAILAND 20000

Equipment ; GO - Not Go Screw thread plug gauge

Manufacturing ; Issoku

Size/Class ; M3 P0.5 GPIP II

Serial no. ; 1234

Identification no. ; 1234

Refer no. ; S555-1234

Date of received ; August 23, 2012

Date of calibration ; August 29, 2012

Date of issued ; August 30, 2012

Mr.Seree Renseb
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%.

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Reference standard instrument and traceability

Universal length metro-scope serial no. 02101.

Certificate no.

Date of calibration

Next calibration

CC555-01-0098

January 22, 2012

January 21, 2014

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

Thread measuring wire serial no. 220010.

Certificate no.

Date of calibration

Next calibration

CC553-09-0161

September 30, 2010

September 29, 2013

Traceable to SAC-SINGLAS through certificate no. F0226IEC

Measurement method

Standard method direct measurement by 3-wires and ULM refer to JIS B 0261: 1992 according to work instruction WI5-03-05.

Environment conditions

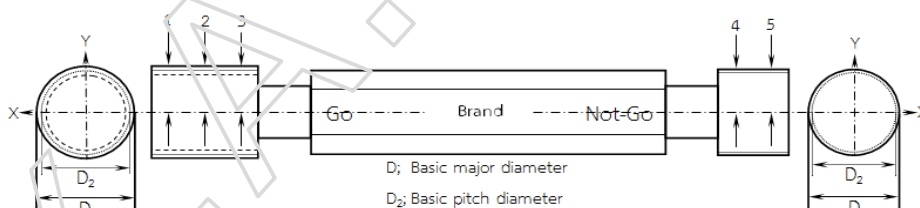
The measurement was carried out within ambient temperature of $(20 \pm 0.5)^\circ\text{C}$ and relative humidity of $(55 \pm 10) \% \text{ RH}$.

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%.

Uncertainty of measurement ; $\pm 0.0011 \text{ mm}$

Measurement data



Pitch diameter (unit in mm)

Side	Basic size		D_2	$D_2 \text{ Max}$	$D_2 \text{ Min}$	Axis	Measurement		
	$\varnothing$	Pitch					1	2	3
Go	3	0.50	2.675	2.687	2.679	X	2.6819	2.6810	2.6806
						Y	2.6822	2.6809	2.6814
Not-Go			2.675	2.783	2.775	X	2.7805	2.7788	
						Y	2.7807	2.7789	

Major diameter (unit in mm)

Side	D	$D \text{ Max}$	$D \text{ Min}$	Axis	Measurement
Go	3.000	3.018	3.006	X	3.0138
				Y	3.0142
Not-Go	2.990	N/A	N/A	X	2.9838
				Y	2.9838