

CONSTAT DE VERIFICATION

1805-15909

Renseignements client

Client : Plastic omnium auto inergy services
Contact :
Adresse : 165 Rue des Hureaux
60280 venette
France
Référence client :
Référence Trescal : 201811451/13

Renseignements sur l'instrument

Marque / type : AMETEK / DS/50/G
Description : Displacement transducer
Etendue de mesure : 0 .. 50 mm
N° de série : MSD0507SZ03AJ20-01 / 573AJ20501
N° d'identification : CSCR0478
Erreur maximum tolérée : 0,1 mm

Date de vérification : 14 June 2018

Méthode d'étalonnage

P1-02-G.005 Calibration of linear gauges

The calibration of displacement transducers such as dial gauges, levers, etc. consists of a visual examination of the instrument and series of measurements. Firstly, we examine the state of the transducer, e.g. its running qualities and the readability of its indicator, the functionality of the zero and tolerance boundaries, the solidity of the hands/indices. Secondly, we measure the repeatability, the reversibility and the total deviation.

Caractéristique sur l'environnement (limites pendant les mesures)

Température ambiante : 20 °C ± 1 °C
Humidité relative : 45%rh ± 20%rh

Moyens de vérification utilisés

Tous les moyens de vérification sont traçables aux standards nationaux et/ou internationaux.
R2868/18 Length measuring machine Cert.180312423

Conclusion*

L'instrument est déclaré aux points mesurés.

CONFORME. NON CONFORME.

* Sans considérer les incertitudes.

Date d'émission: 15 June 2018

Technicien
Koen Groffen



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R120-298131406181805-15909

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Note

Measured with Orb Measure Lite software V1.1.2.0

The instrument is measured but not adjusted, so the results are both 'as found' as 'as left'.

Recommended recalibration date (to customer demand) : 14 June 2020

Visual inspection	OK / NO	Remark
Readability	OK	Digital
Tentacle (shape)	OK	
LED-segments	-	
Spindle movement	OK	
Wear & Tear / corrosion	OK	

	Reference value	Instrument value	Difference	Tolerance \pm	Uncertainty \pm	Units
1	0,000	0,000	0,000	0,100	0,003	mm
2	4,770	4,785	0,015	0,100	0,003	mm
3	9,410	9,406	-0,005	0,100	0,003	mm
4	18,500	18,497	-0,003	0,100	0,003	mm
5	22,800	22,815	0,015	0,100	0,003	mm
6	25,000	25,003	0,003	0,100	0,003	mm
7	27,140	27,115	-0,025	0,100	0,003	mm
8	31,740	31,720	-0,020	0,100	0,003	mm
9	40,570	40,555	-0,015	0,100	0,003	mm
10	45,380	45,352	-0,028	0,100	0,003	mm
11	50,000	49,957	-0,043	0,100	0,003	mm
12	45,380	45,352	-0,028	0,100	0,003	mm
13	40,570	40,558	-0,012	0,100	0,003	mm
14	31,740	31,723	-0,017	0,100	0,003	mm
15	27,140	27,118	-0,022	0,100	0,003	mm
16	25,000	25,006	0,006	0,100	0,003	mm
17	22,800	22,815	0,015	0,100	0,003	mm
18	18,500	18,497	-0,003	0,100	0,003	mm
19	9,410	9,409	-0,001	0,100	0,003	mm
20	4,770	4,788	0,018	0,100	0,003	mm
21	0,000	0,003	0,003	0,100	0,003	mm

CALIBRATION CERTIFICATE

1805-15909

Customer information

Client : Plastic omnium auto inergy services
Contact :
Address : 165 Rue des Hureaux
60280 venette
France
Reference client :
Reference Trescal : 201811451/13

Instrument information

Make / type : AMETEK / DS/50/G
Description : Displacement transducer
Range : 0 .. 50 mm
Serial number : MSD0507SZ03AJ20-01 / 573AJ20501
Identification number : CSCR0478
Accuracy : 0,1 mm

Date of calibration : 14 June 2018

Method of calibration

P1-02-G.005 Calibration of linear gauges

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Environmental conditions (limits during measurements)

Ambient temperature : $20\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$
Relative humidity : $45\%\text{rh} \pm 20\%\text{rh}$

Used reference

The equipment used is traceable to National and/or International standards.
R2868/18 Length measuring machine Cert.180312423

Note

Measured with Orb Measure Lite software V1.1.2.0
The instrument is measured but not adjusted, so the results are both 'as found' as 'as left'.

Issue date: 15 June 2018

Technician
Koen Groffen

Head of the laboratory
Luc Van Pelt




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Unless otherwise stated, the calibration was performed at the address mentioned in the footnote.

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The stated uncertainty is that of the entire set-up including the object under test.

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

The uncertainty is calculated following EA-4/02 in accordance with the requirements of the ISO/IEC 17025.