

The Calibration Company

T.C.L. Tradinco Calibration Laboratory

Hac-MRA



CALIBRATION CERTIFICATE

Certificate number: 21600712

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Applicant

eFBé Beveiligingen BV

Middelblok 194 2831 BR Gouderak

Instrument Analogue pressure gauge

 Manufacturer
 Badotherm

 Type
 100 mm

 Serial number
 V1430 3778

 Service number
 19223

Customer identification number

Calibration method This calibration is carried out with:

Deadweight tester type: M2000/1 S/N: 7518/93 Cal. Due: 3 June 2019

During calibration a testpressure is put under a calibrated measuring piston which is loaded

with calibrated weights

The instrument is calibrated in combination with oil/gas seperator type 8335.

Environmental conditions Temperature: 20.0°C ± 2°C

Humidity: 55 %rh ± 25 %rh

Date / period of calibration 17 June 2016

Recalibration date as stated on 17 June 2021 applicants request

Results See following page(s)

Uncertainty ± 0.38 % of full scale with use of correction figures in the range of 0 - 100 % of full scale

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of k = 2,

which provides a confidence level of approximately 95 %.

The standard uncertainty has been determined in accordance with document EA-4/02.

Calculated by software revision: 2.7.6.6/2.35

Traceability The measurements have been executed using standards for which the traceability to

(inter)national standards has been demonstrated towards the RvA.

Date 17 June 2016

Name S. Baidjnath-Misier

Head of TCL

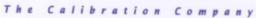
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T.C.L. Tradinco Calibration Laboratory

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CALIBRATION CERTIFICATE

Certificate number: 21600712

| | Standard | Instrument | | |
|----------------|----------------------|-------------------------|--|--|
| Service number | | 19223 | | |
| Type | M2000/1 | 100 mm | | |
| Manufacturer | Tradinco Instruments | Badotherm | | |
| Description | Deadweight tester | Analogue pressure gauge | | |
| Serial number | 7518/93 | V1430 3778 | | |
| Range | (2.6 ÷ 350) bar | $(0 \div 160)$ bar | | |
| Medium | Oil | Air | | |
| Accuracy | ±0.011 % R | ±1 % FS | | |
| Temperature | 20.3°C ± 0.5°C | -17010 | | |

STANDARD

INSTRUMENT

| MP. | INPUT UP bar | INPUT DOWN bar | READING UP | READING DOWN bar | ERROR UP %FS | ERROR DOWN % FS | LIMIT UP | LIMIT DOWN |
|-----|-----------------|-------------------|------------|------------------|-----------------|--------------------|----------------|------------|
| | | | | | | | | |
| 2 | 29.9912 | 29.9912 | 30.0 | 30.5 | 0.0 | 0.3 | ± 1.0 | - 110 |
| 3 | 59.9858 | 59.9858 | 60.0 | 60.0 | 0.0 | 0.0 | ± 1.0 | |
| 4 | 99.9772 | 99.9772 | 99.5 | | -0.3 | 0.0 | | |
| 5 | 129.970 | 129.970 | 130.0 | | 0.0 | | ± 1.0 | |
| 6 | 159.962 | | 160.5 | 130.0 | 0.0 | 0.0 | ± 1.0 ± 1.0 | ± 1.0 |

The instrument has not been adjusted (As found is as left calibration).

Calibrated by Head of TCL

S. Baidjnath-Misier

Cal. date: 17 June 2016

Customer ref.

; RvA 17025 kalibratie

Our ref.

:61601311

Customer

; eFBé Beveiligingen BV

Approved by

Date: 17 June 2016

Berkel en Rodenrijs