

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

**W-Technika group s.r.o.**  
CAB number 2426, Calibration Laboratory  
Na okraji 335/42, 162 00 Praha 6 - Veveslavín

**CMC for the field of measured quantity: Temperature**

| Ord. number <sup>1</sup> | Calibrated quantity / Subject of calibration | Nominal range |      |         |                          | Parameter(s) of the measurand | Lowest stated expanded measurement uncertainty <sup>2</sup> | Calibration principle | Calibration procedure identification <sup>3</sup> | Location |
|--------------------------|--|---------------|------|---------|--------------------------|-------------------------------|---|-----------------------|---|----------|
|                          |  | min           | unit | max     | unit                     |                               |   |                       |   |          |
| 1                        | Thermal cameras                              | -10 °C        | to   | 50 °C   | Wavelength (8 – 14) μm   | 1.2 °C                        | Comparison with a non-contact infrared thermometer          | KP 01                 |   |          |
|                          |  | 50 °C         | to   | 150 °C  |                          |                               |   |                       |   |          |
|                          |  | 150 °C        | to   | 250 °C  | Wavelength (0.8 – 14) μm | 2.4 °C                        |   |                       |   |          |
|                          |  | 250 °C        | to   | 500 °C  | 4.2 °C                   |                               |   |                       |   |          |
|                          |  | 500 °C        | to   | 750 °C  | 4.8 °C                   |                               |   |                       |   |          |
|                          |  | 750 °C        | to   | 1000 °C | 7.2 °C                   |                               |   |                       |   |          |
|                          |  | 900 °C        | to   | 1150 °C | Wavelength (0.8 – 14) μm | 8.4 °C                        | Direct measurement using a black body                       |                       |   |          |
|                          |  | 1150 °C       | to   | 1475 °C |                          | 11.4 °C                       |   |                       |   |          |
| 2                        | Infrared non-contact thermometers            | -10 °C        | to   | 50 °C   | Wavelength (8 – 14) μm   | 1.2 °C                        | Comparison with a non-contact infrared thermometer          | KP 02                 |   |          |
|                          |  | 50 °C         | to   | 150 °C  | Wavelength (0.8 – 14) μm | 1.7 °C                        |   |                       |   |          |
|                          |  | 150 °C        | to   | 250 °C  |                          | 2.4 °C                        |   |                       |   |          |
|                          |  | 250 °C        | to   | 500 °C  |                          | 4.2 °C                        |   |                       |   |          |
|                          |  | 500 °C        | to   | 750 °C  |                          | 4.8 °C                        |   |                       |   |          |
|                          |  | 750 °C        | to   | 1000 °C |                          | 7.2 °C                        |   |                       |   |          |
|                          |  | 900 °C        | to   | 1150 °C | Wavelength (0.8 – 14) μm | 8.4 °C                        | Direct measurement using a black body                       |                       |   |          |
|                          |  | 1150 °C       | to   | 1475 °C | Optics: min. 20:1        | 11.4 °C                       |   |                       |   |          |

<sup>1</sup> Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

<sup>3</sup> If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

*"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."*