



EA MLA Signatory  
Český institut pro akreditaci, o.p.s.  
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

## CERTIFICATE OF ACCREDITATION

No. 497 / 2016

**Jakar Electronics, spol. s r.o.**  
**with registered office Fryštátská 184/46, 733 01 Karviná, Company Registration No. 28582616**

to the Calibration Laboratory No. 2378  
Calibration Laboratory

Scope of accreditation:

Calibration of temperature measuring devices to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2005

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 489/2013 of 29 August 2013, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **24 August 2021**

Prague: 24 August 2016



Jiří Růžička  
Director  
Czech Accreditation Institute  
Public Service Company

Accredited entity according to ČSN EN ISO/IEC 17025:2005:

**Jakar Electronics, spol. s r.o.**  
**Calibration Laboratory**  
Fryštátská 184/46, 733 01 Karviná

**Field of measured quantity: Temperature**

**Calibration:**

Nominal calibration temperature:  $(23 \pm 5) ^\circ\text{C}$

Ordinal number	Measured quantity	Measured quantity range	Calibration and Measurement Capability $[\pm]$ <sup>1)</sup>	Calibration procedure identification
1.	Thermocouple temperature sensor	(100 to 200) °C	0.5 °C	MKTST-01
		(>200 to 400) °C	0.6 °C	
		(>400 to 500) °C	1.4 °C	
		(>500 to 600) °C	1.5 °C	
		(>600 to 700) °C	1.6 °C	
		(>700 to 800) °C	1.7 °C	
		(>800 to 900) °C	1.8 °C	
		(>900 to 1000) °C	1.9 °C	
2.	Digital thermometer	(100 to 200) °C	0.35 °C	MKDT-01
		(>200 to 400) °C	0.5 °C	
		(>400 to 500) °C	1.4 °C	
		(>500 to 600) °C	1.3 °C	
		(>600 to 700) °C	1.4 °C	
		(>700 to 900) °C	1.5 °C	
		(>900 to 1100) °C	1.6 °C	

<sup>1)</sup> Expressed like uncertainty in accordance with the requirements of the document EA 4/02 at  $k = 2$ .

MKTST ... Internal method for the calibration of thermocouple sensors

MKDT ... Internal method for the calibration of digital thermometers

**Measured instruments or devices:**

(In accordance with the above list of measured quantities and the ranges of measurement the following types of instruments or devices can be measured.)

Ordinal number	Measured instrument/device type
1.	Thermocouple temperature sensor
2.	Digital thermometer

