



In Collaboration with

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CALIBRATION LABORATORY



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Glossary:

DAE data acquisition electronics
Connector angle information used in DASY system to align probe sensor X to the robot coordinate system.

Methods Applied and Interpretation of Parameters:

- *DC Voltage Measurement:* Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- *Connector angle:* The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The report provide only calibration results for DAE, it does not contain other performance test results.



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DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1 μ V, full range = -100...+300 mV

Low Range: 1LSB = 61nV, full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	X	Y	Z
High Range	404.024 $\pm$ 0.15% (k=2)	404.420 $\pm$ 0.15% (k=2)	404.987 $\pm$ 0.15% (k=2)
Low Range	3.98471 $\pm$ 0.7% (k=2)	3.99246 $\pm$ 0.7% (k=2)	4.01842 $\pm$ 0.7% (k=2)

Connector Angle

Connector Angle to be used in DASY system	185° $\pm$ 1 °
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