

## How accurate can you measure a 100 mm Gauge block with an 3.5 m *Measurement-Arm*?

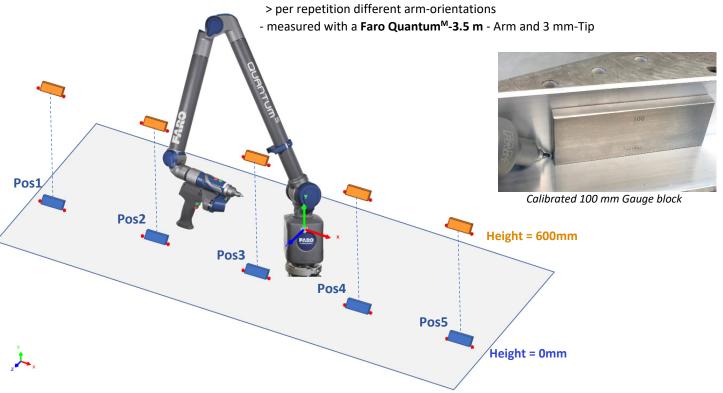




You can measure it with  $\pm$  27  $\mu m$  (max single deviation) and with  $\pm$  13  $\mu m$  (max average-deviation to nominal)

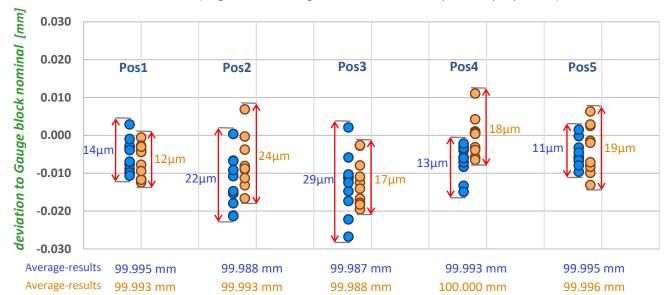
## **Experiment description:**

- Determination of 100 mm Gauge block with a Measurement-Arm
- measured at 10 different positions to the Arm (5x at foot-level, 5x 600mm above foot-level)
- measured as simple "2-point-distance" in 10 repetitions per position



## Scattering of the deviations

(single 100 mm Gauge block distances - 10 repetitions per position)



## Specifications 7-axis-Arm - Faro Quantum<sup>M</sup>-3.5 m:

- Measurement Arm specification 2-point-distance (MPE): 0.080 mm







