Micrometer
Operation

Short instruction manual for the first-time operation of the "PTCR micrometer-D"

1. Unpacking the micrometer.

2. Unscrew the battery cover at the backside of the micrometer, remove the battery packaging and insert it with the positive terminal outward. After that properly mount the battery cover.

CAUTION! The seal and the battery cover have to be installed properly to ensure faultless functionality.

3. After inserting the battery *P* is flashing on the display and during this mode a data acquisition is impossible. Therefore press *ORIGIN* with closed micrometer gauge to leave the *P-mode.*

4. Place the micrometer on a stable surface. Tare the micrometer up to the stop, so that 0.000 mm is displayed by completely closed screw. Clean carefully the contact surface from oil and dust if necessary.

5. Remove the connection cover at the right side of the micrometer below the thimble of the micrometer gauge by loosen the screws. Connect and screw the supplied data cable to the micrometer interface. Connect the USB interface to the PC.

6. The micrometer is installed automatically via Plug&Play. It is no special software required or installed.

7. Open a program for the data entry. Possible programs are for example Microsoft Word, Excel or Windows text editor.

8. Positioning of the PTCR in the micrometer and tighten the adjusting screw with the thimble. Ideal results are achieved by measurements between the middle numbers on the PTCR or at least at the same position.

CAUTION! Adjust the rough thimble (1) previous to the PTCR, perform the measurement with the fine thimble (2). Otherwise an exact measurement cannot be guaranteed!

9. Data transfer to the PC by pressing the *DATA* button on the micrometer interface. The measured value is automatically transferred to the PC and is displayed in the opened program.