## **M07** Fluid Mechanics Measurement

The measurement assignment:

- In the case of the elbow without any built in elements, calibrate the inlet orifice using the Prandtl tube.
- Measure the pressure distribution along all of the walls in the investigated elbow.
- Place an L shaped element on the inner wall of the duct section which is upstream of the elbow at 5, 6 and 7 cm from the corner. Repeat the measurement of the pressure distribution along all the walls in the investigated elbow for each case.
- Make all the calculations and evaluations described in the measurement guidelines.

## Measurement data:

|  | Sio  | Signature of measurement instructor: |  |  |  |
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|               |            |  | ing         | Signature of measurement instructor: |        |  |  |
|               |            |  | instructor: |                                      |        |  |  |
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