

ECO3010ALB

Calculations Chart

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Experiment 6: Friction in Pipe and Similarity Law

Calibration for the DP Cells Feb 19, 2011

Output of DR cell: 4-20 mA

To obtain voltage multiply resistance to the current.

Pressure Transducer: DP1

Resistance:

295.6 Ohms

Pressure Range: 0 -250 inch of water at 68F

Use for: Orifice and contraction

Pressure Transducer: DP2

Resistance:

250.2 Ohms

Pressure Range: 0 -8 inch of water at 68F

Use for: Straight pipe, elbows and expansion