

EXPERIENCE WITH MEASUREMENT OF WATER LEVELS IN TGM WRI HYDROMETRIC STATIONS (USING THE SYSTEM OF PRESSURE SENSORS)

HRDINKA, Tomas

T. G. Masaryk Water Research Institute, p.r.i.

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The paper describes the experience with measurement of water levels (particularly low ones) in natural river beds using a system of sensors recording hydrostatic pressure and air pressure. Several procedures on how to deal with adverse effects of natural, artificial and random phenomena on water level are described as well as the uncertainties associated with quantifying water flows using a hydrometric propeller and the Chézy formula. Long-term results demonstrate that the method of measuring water levels is suitable and accurate tool for measuring low flows in unobserved profiles.