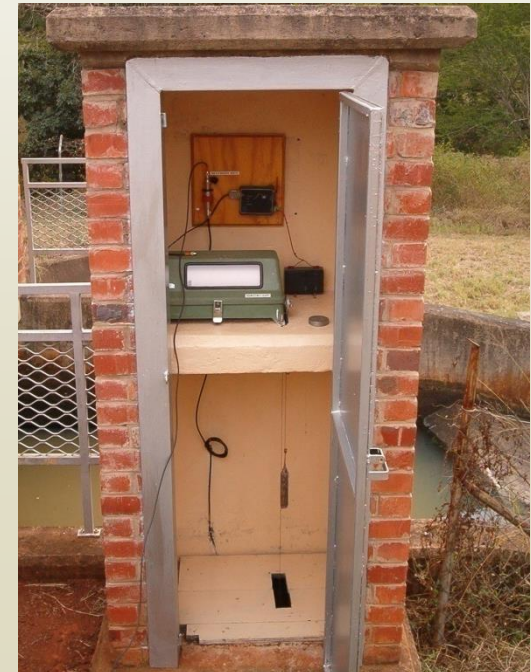
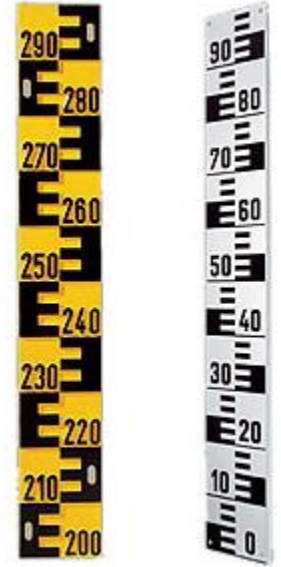
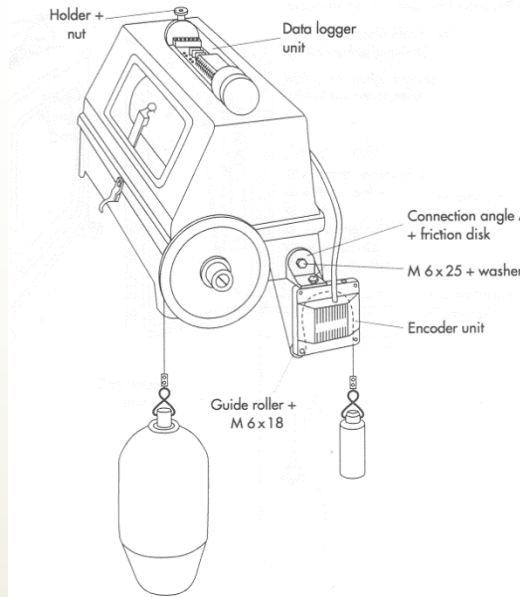
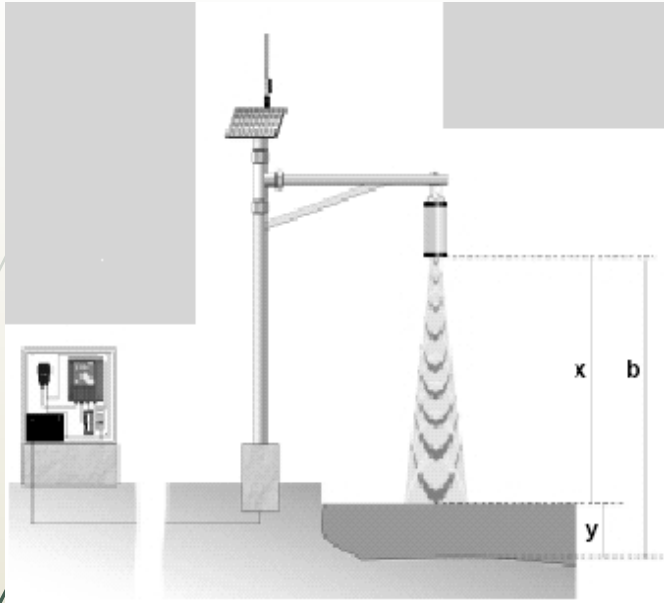




Data output

Water levels



Water levels



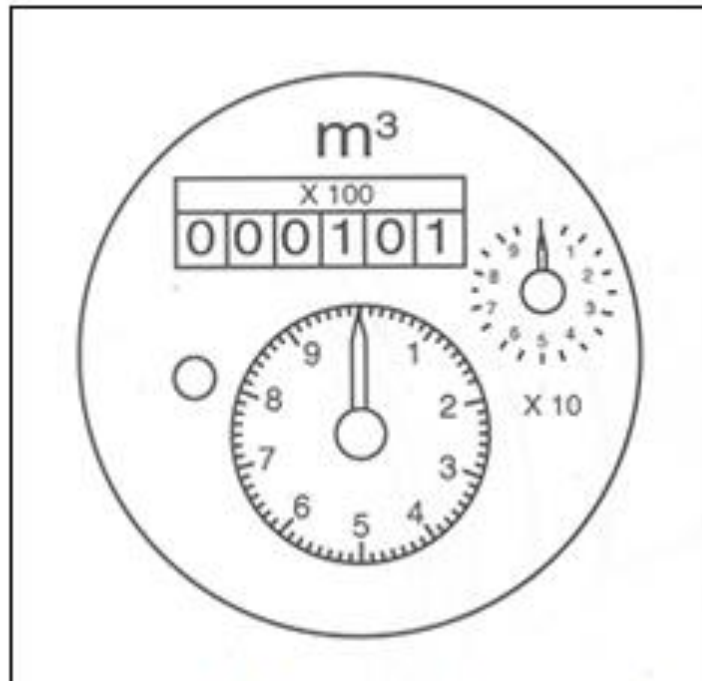
Water levels



Meter displays

- Mechanical
- Electronic

$$(101 \times 100) + (0 \times 10) + 0 = 10100 \text{ m}^3$$



Example of a mechanical register (Meinecke, 2001)



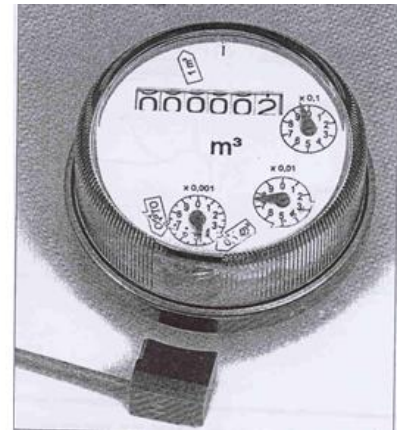
Pulse output

Flow Meter – Reed Switches

A reed switch is a dry contact (activated by a magnet) that does not consume electric power, that consists of two metal plates that is normally open and the ends of one side are connected to wires (1.5 m) that can be connected to the control unit. The magnet installed in one of the pointer positions rotate as the gear ratio will determine and when it passes the reed switch (360° rotation of the pointer) the two metal plates will give a close contact and a pulse will be received by the control unit.

Specifications:

Maximum Volts	V_{\max}	= 48 Volt
Maximum Ampere	I_{\max}	= 50 mA
Maximum pulses		2 Hz (2 pulses per second)



Remote monitoring

