



Measurement of stage in rivers:

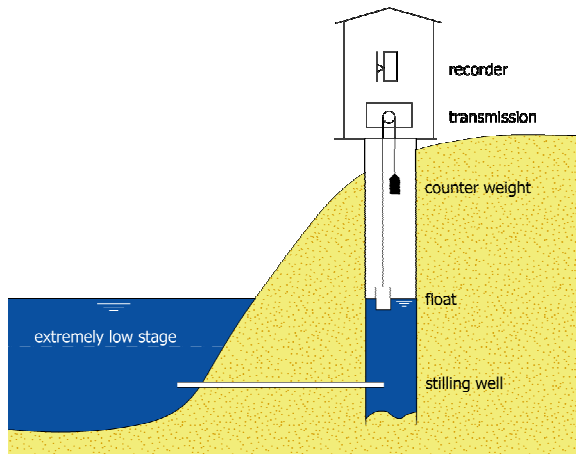
Considerations for site selection:

- Practical issues for accessibility, installation, sustainability
- Stage-discharge
 - Unique relation stage-discharge
 - Discharge measurement possible
 - Confined cross section for accuracy

Measurement of stage

Direct systems:

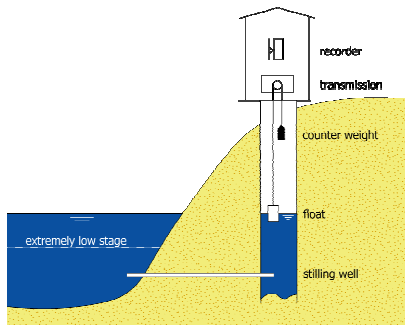
Float gauge:



Measurement of stage

Direct systems:

Float gauge:



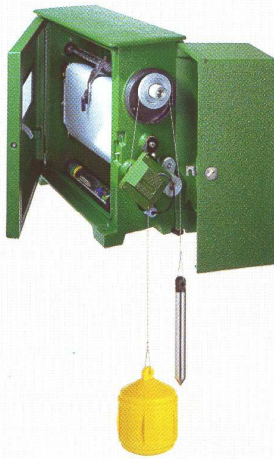
Recording

- 1) on chart
- 2) tape
- 3) solid state

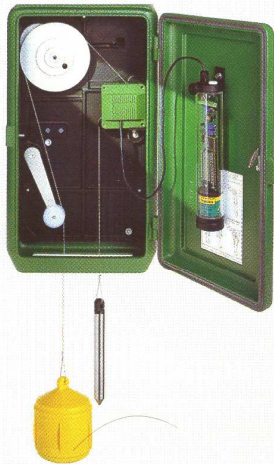




Thalimedes in combination with a mechanical Water-Level Recorder Type X



Thalimedes / R 20 Strip-chart Recorder

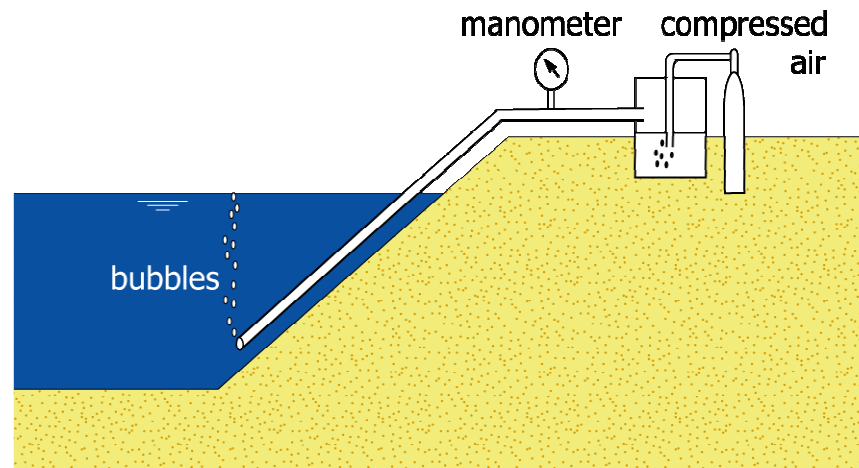


Thalimedes / R 16 Vertical Recorder



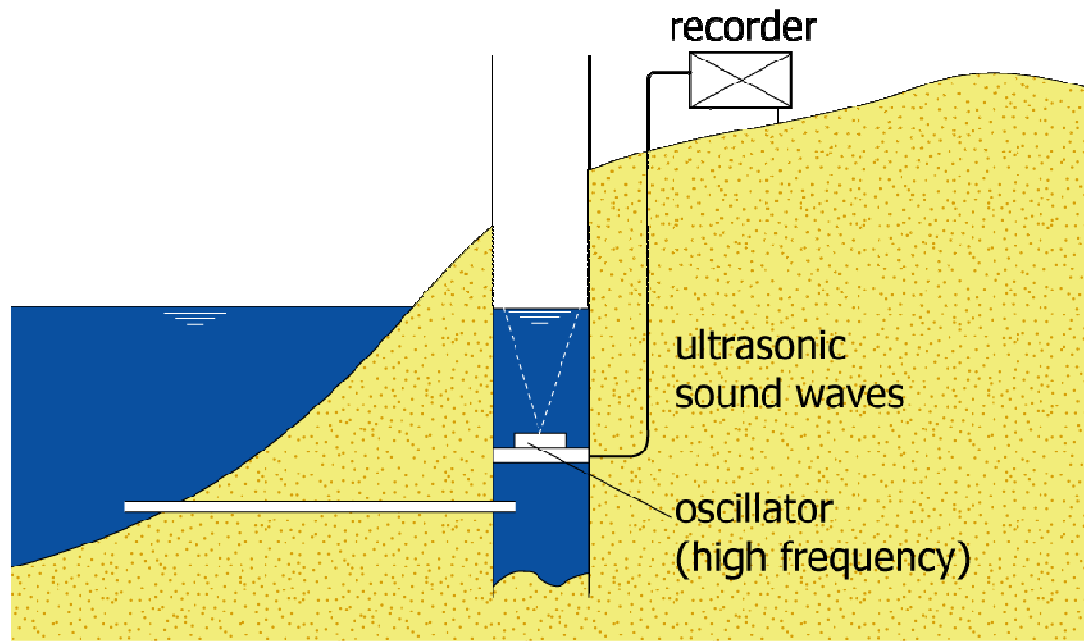
Measurement of stage
indirect system

Bubble type pneumatic gauge



Measurement of stage
indirect system

Ultrasonic water level gauge



Measurement of stage
indirect system

Ultrasonic water level gauge

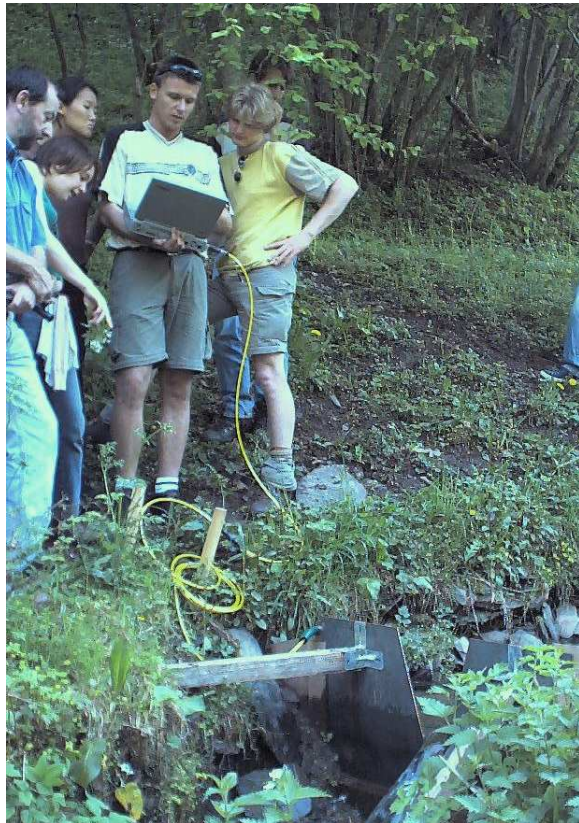


Measurement of stage indirect system

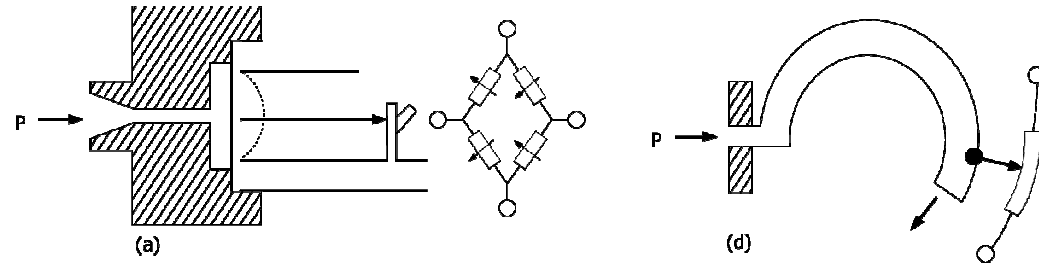
Pressure transducers

Air pressure compensated

- 1) Vented
- 2) Not vented



Options for converting pressure to a electronic signal:



Van Essen Diver
Not vented