

Tests hydrauliques et thermiques "phase 1"

Status report

Reminder:

- Test performed on 1 chip on 12/12/2019
 - see [report from 16/12/2019](#)
 - conclusions:
 - thermal measurements:
 - behaves more or less as expected
 - but difficult to interpret in absence of a model to compare to
 - hydraulic measurements:
 - difficult to get a stable flow
 - flow measurement not very handy

Progresses & plan

- Use a proper flow meter :
 - Keyens FD-XS8 (sensor) + FD-XA1 (controller)
 - installed and 0-20mA read-out on raspberry pi
 - to be calibrated ... ?
- Perform flow -vs- pressure measurements on other samples
 - additional support in preparation
 - note: current flow is 5-10 times less than the one obtained last year with the same sample. Something blocking the flow ? (tried vinegar without improvement)
 - circuitry being modified to improve the flow stability
 - next step : add buffer and a pressure switch

