

# Out of Liquid Demo Module

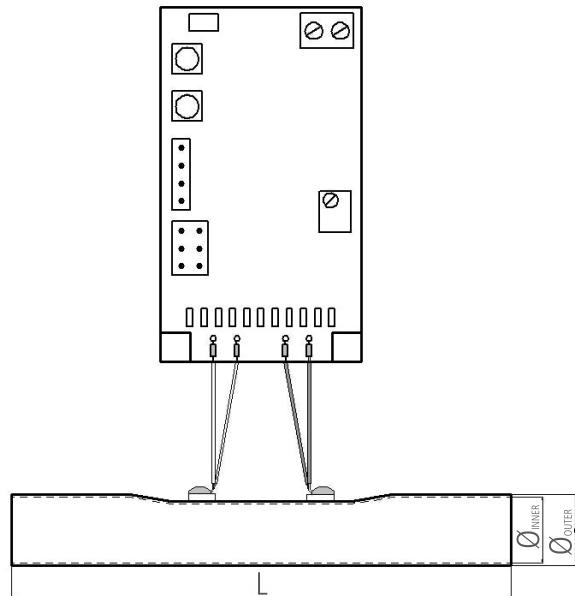
## Thermal Mass Flow Demo Module

### Optimal for various "Out of Liquid" flow applications

#### Benefits & Characteristics

- Single supply 5 V<sub>DC</sub>
- Suitable for aggressive liquids
- No contact between sensor and liquid
- Adjustable by customer

#### Illustration<sup>1)</sup>



1) For actual size, see dimensions

#### Technical Data

Tube dimensions (L x Ø <sub>OUTER</sub> x (Ø <sub>INNER</sub> ) in mm):	40 x 4 x (3.8)
PCB dimensions (L x W x H in mm):	25 x 58 x 12
Operating measuring range:	0 ml/min to 3000 ml/min (4 m/s)
Response time (t <sub>90</sub> ):	< 300 ms (at step from 0 to 1000 ml/min)
Warm up time:	< 30 s
Connection (PCB to tube):	Cu/Ag-wire, PTFE insulated, AWG 30/19, 50 mm
Heater:	R <sub>H</sub> (0 °C) = 50 Ω ±1 %
Temperature sensor:	R <sub>s</sub> (0 °C) = 1000 Ω ±1 %
Connection (module):	Screw terminal
Supply voltage:	5 V <sub>DC</sub> ±5 %
Current consumption:	1.5 A (maximal)
Analogue output, non linear	0 V <sub>DC</sub> to < 5.0 V <sub>DC</sub>
Tube material:	Stainless steel

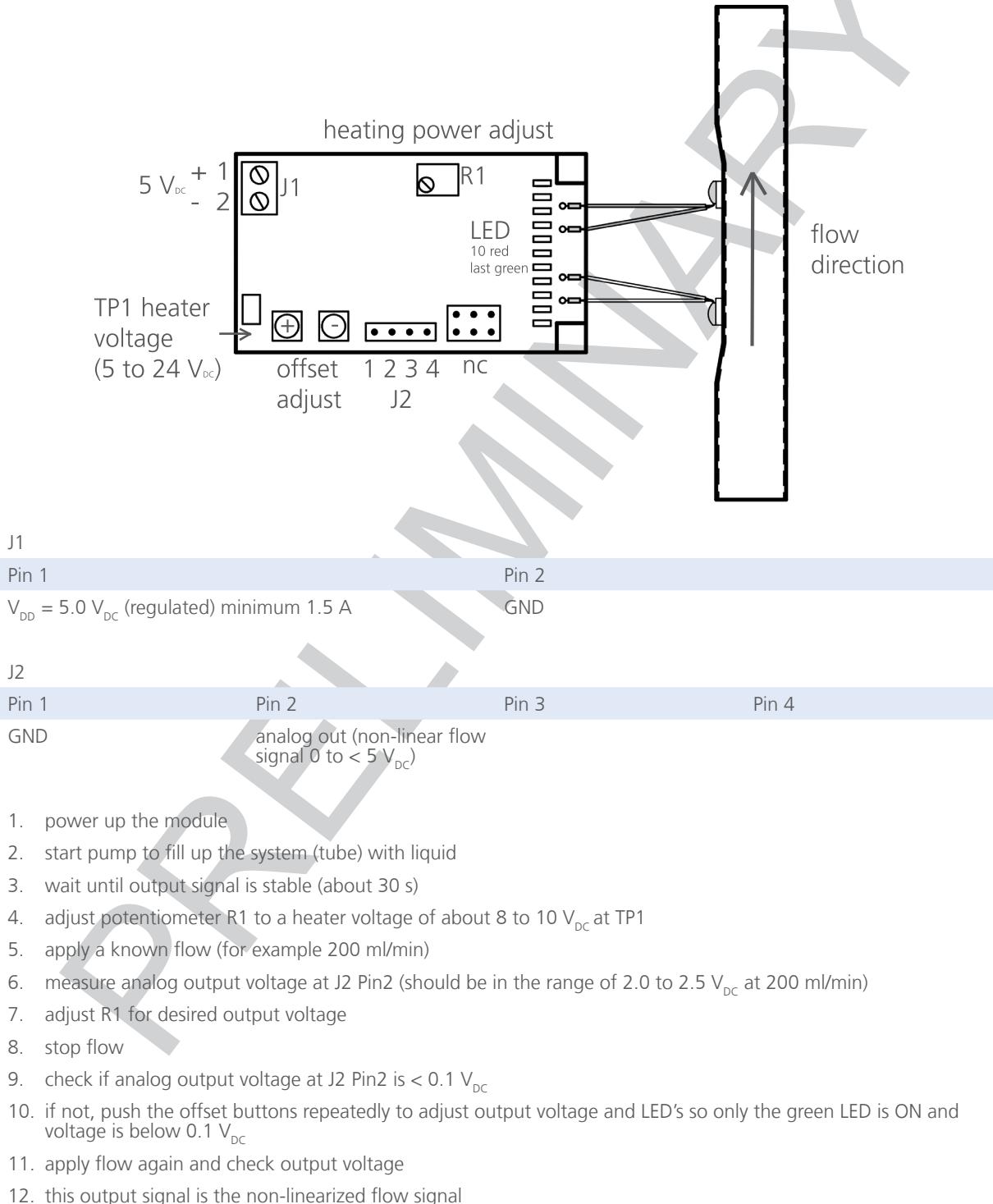


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#### Adjustement Procedure (if necessary)





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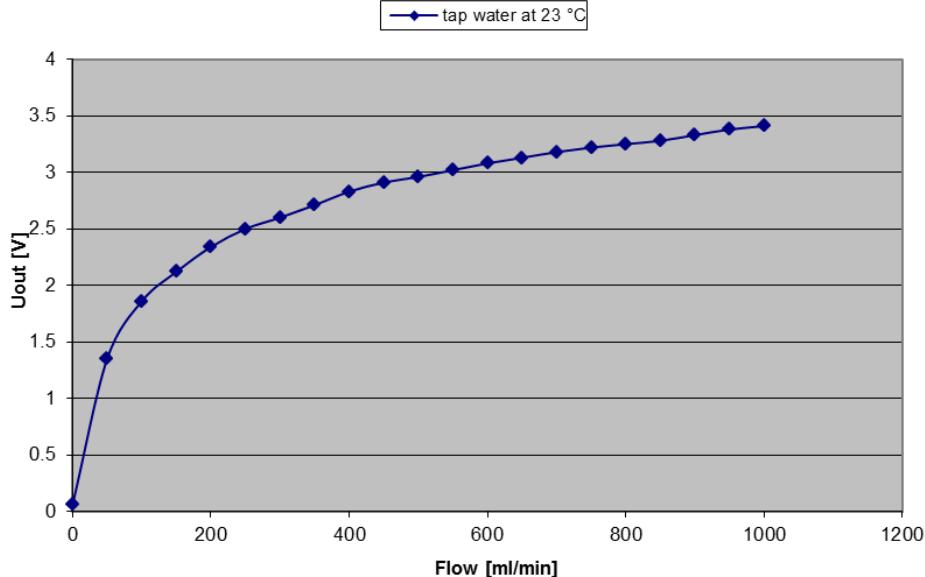
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INNOVATIVE SENSOR TECHNOLOGY

Typical Flow Curve (water)



#### Order Information

Order code

OOL Demo Unit V2.0

160.00005

Order code

P1K0/050.232.2K.C.050.M.U.S

310.00819

#### Additional Documents

Datasheet:

Document name:

DFOOL\_E



INNOVATIVE SENSOR TECHNOLOGY

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