Flow Monitoring
Application Questionnaire

General Information

Company Name: _____ End User: _____

Contact Person: _____ Tel: _____

Address: _____ Email : _____

_____ Project name: _____

_____ & number: _____

_____

In order to assess your measurement conditions correctly to find the suitable solution for your measurement task, we kindly ask you to answer the following questions. The more information we have, the better we can choose the appropriate device. Please return the filled-in form to info@hydrovision.de or fax to: +49 8341 9666030. Thank you.

Site Details

1. Measurement Type

- ☐ River
- ☐ Waste Water, Plant Influent
- ☐ Waste Water, Plant Effluent
- ☐ Pumping Station
- ☐ CSO
- ☐ Sewer / Storm Pipe
- ☐ Pressure Pipe
- ☐ Irrigation Channel
- ☐ Hydro Power Plant (Penstock)
- ☐ Efficiency Testing (Turbine)
- ☐ Other *(give details)*

  .....

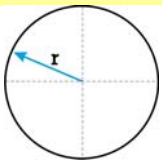
  .....

  .....

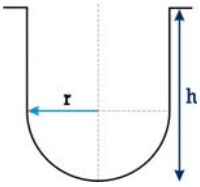
  .....

2. Channel/Pipe Shape

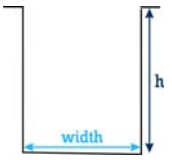
☐ Round
radius: _____



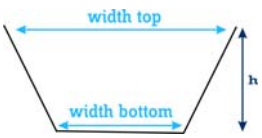
☐ U-Shape
radius: _____
height: _____



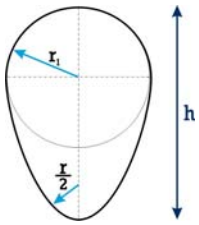
☐ Rectangular
width: _____
height: _____



☐ Trapezoid
width top: _____
width bottom: _____
height: _____



☐ Egg-Shaped
radius: _____
height: _____



☐ Natural Channel
(provide drawing and cross section)

☐ Other *(provide drawing or sketch of the application site)*

3. Channel / Pipe Material

- ☐ Concrete
- ☐ Steel
- ☐ Clay
- ☐ Epoxy coated
- ☐ PVC
- ☐ Natural Channel
- ☐ Other : ……
  ……

4. Type of Fluid

- ☐ Raw sewage
- ☐ Treated waste water
- ☐ Raw / Surface water
- ☐ Domestic water
- ☐ Process water
- ☐ Other : ……
  ……
  ……

5. Hydraulic Details

Min. Level: ……..

Average Level: ……..

Max. Level: ……..

Max. flow velocity: ……

Min. flow velocity: ……

Pressure Nominal: ☐ PN ……

Temperature: ……..

Flow direction: ☐ normal (no backflow)
☐ bi-directional

Surcharge / Backwater expected:
……..

Impurities *(e.g. chemicals, acids)*
Pls. describe: ……
……..
……..
……

Sedimentation: ……

- ☐ constant ……..
- ☐ variable ……
- ☐ sediment load: ……

Straight Run upstream: ……..

downstream: ……..

Gradient: ……..

Disturbance Point & Distance from Measuring Point

- ☐ elbow, T or Y junction ……
- ☐ valve ……
- ☐ pump ……..
- ☐ entrained air ……..
- ☐ bends ……..
- ☐ change of shape ……
- ☐ weir/flume……
- ☐ algae growth ……
- ☐ Other : ……
  ……..…
  ……..…
  ……..

6. Accuracy Requirement

☐ expected/ desired: .....

☐ tolerable: .....

7. Transmitter

Distance between sensor and transmitter ..... (m/ft)

Power Supply: ☐ 12 V_{DC} ☐ 85-260 V_{AC} ☐ 24 V_{DC} ☐ Other: .....

8. Transducers

☐ wetted or ☐ non-contact

cable length: .....

9. Outputs

☐ analogue ☐ pulse ☐ alarm

alarm threshold value: ☐ min. flow

☐ max. flow

10. Installation

Access available: ☐ yes ☐ no

Access: ☐ Manhole ☐ Chamber ☐ Vault

☐ Pipe / Channel *=> Can it be emptied?* ☐ yes ☒ no

11. Data transmission

☐ GSM ☐ GPRS ☐ Profibus DP ☐ MODBUS ☐ Ethernet ☐ .....

12. Additional information you would like to share

_____

_____

_____

_____

☐ *We have attached a list with technical specifications*
☐ *We have attached ____ drawings*
☐ *We have attached _____ photos of installation site*
☐ *We have attached _____*