

Evaluation of new photometer

This questionnaire provides the basis for selection a device configuration that can be used for a specific application. For the development of a meaningful solution proposal, the questions should be answered in detail as much as possible. Please send any sketches and additional documents to support@sigrist.com.

*Required

General details

1. Contact details *

Company:

Name:

Address:

e-mail:

Phone number

Description of the application/ measurement point

2. What should be measured? *

Turbidity

Oil traces

Colour

Concentration

Other:

3. Description of the application/ measurement point *

4. Desired measuring range with unit (e.g. 0-200 FNU) *

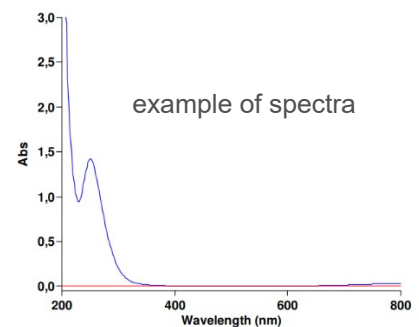
5. Is the measurement already done (laboratory/ process)?*

Yes

No

6. If question 5 is answered with yes:

Detailed description of the measurement in the laboratory: usual values, sample preparation, equipment used, wavelength, spectra, measuring cell, etc..



Details of the process:

7. In which medium should be measured, e.g. drinking water (specify exact concentrations if possible)?*

8. Possible disturbance components in the process?*

Solids, if yes, which concentration:

Gas bubbles

Humidity (e.g. fog)

Other:

9. What is the temperature range of the process (min./max. in °C)? *

10. What is the max. pressure of the process (pressure unit)? *

Details to material:

11. Required material for measuring cell *

Stainless steel. Details of quality:

Hastelloy C22

PVC

PVDF

Others:

12. Required sealing material (in contact with the medium)*

EPDM

NBR

FPM (Viton)

FFPM (Kalrez)

FEP/FKM (Teflon coated Viton)

Others:

13: Is a certificate desired for the measuring cell/seals (e.g. PMI, WMS, WPQR, 3.1, 2.1 etc.)

If yes, indicate:

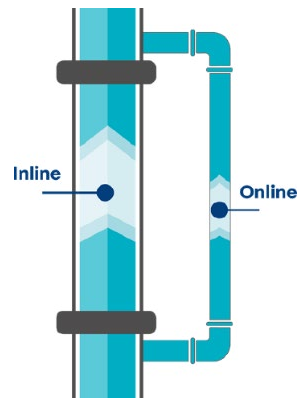
Installation details (mechanical, electrical)

14. Where is the unit installed (drawing) ? *

Inline

Online

Other:



15. Inner diameter of the sample line with unit *

16. How is the measuring cell installed in the system? For flange, specify type *

Welding

Others:

17. Ambient conditions at the measuring point (temperature, humidity, corrosive atmosphere, etc.)? *

18. Is explosion protection required? * (only for liquids, gases, and vapors, not for dusts)

Yes existing safety zone:

No



19. Existing power supply at measuring point (Volt/ Hertz)? *

Details on measurement signals, evaluation and network

20. Measurement signal selection*

4...20 mA

Modbus TCP

Modbus RTU

Profibus DP

Profinet IO

Others:

21. Are analog inputs (4-20mA) necessary? *

Yes

No

22. Are digital in- or outputs necessary? Please describe what is required *

Additional details:

23. Are additional certificates (Material, ISO,etc.) required? *

24. Is a FAT (Factory Acceptance Test) or another specific test/inspection desired? *

Yes

No

Specific, which:

25. Further comments: e.g. additional measuring parameters, IP protection class, desired accessories, etc.