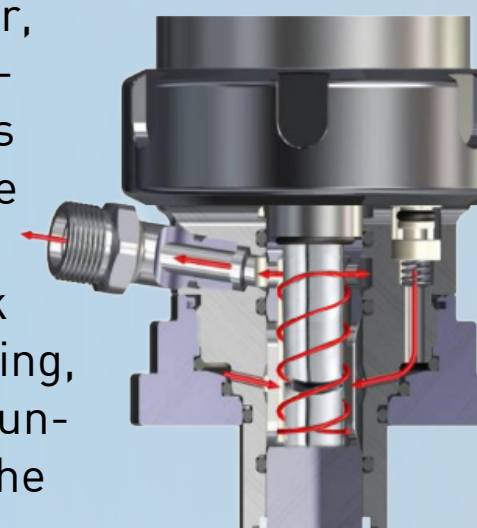


Reliable Measurements. Continuous Production.

Automated Cleaning Enables Uninterrupted
UV/Vis/NIR Process Monitoring

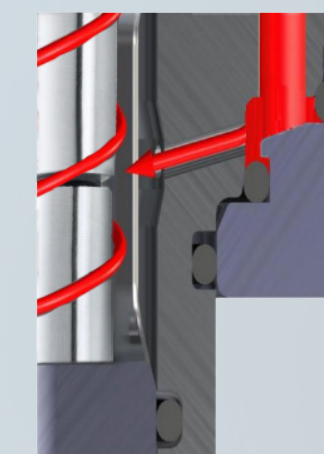
1 Detect Fouling On The Optical Window

When fouling or deposits occur, the combination of optical probe and retractable fitting helps ensure continuous and reliable operation. Thanks to the unique interlock principle of the retractable fitting, the probe can be coupled and uncoupled without interrupting the ongoing process.



2 Automated Cleaning Process Available

Automated cleaning of the probe can be triggered either cyclically at predefined process intervals or process steps, or by the measurement signal when contamination of the optical window is detected. After cleaning, it is reinserted and measurement continues.



KEY BENEFITS AT A GLANCE



CONTINUOUS OPERATION

Reliable measurements even with sticky or fouling media.



PROBE SERVICING DURING PRODUCTION

Cleaning, maintenance, and calibration without process interruption.



NO REACTOR DRAINING REQUIRED

Probe can be cleaned in CIP mode without stopping the process.



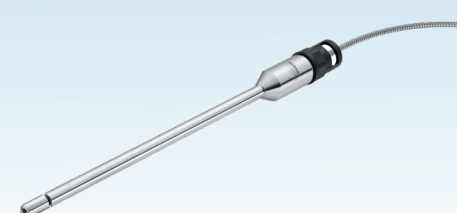
AUTOMATED PROBE CLEANING

Cyclically or triggered by the measurement signal.

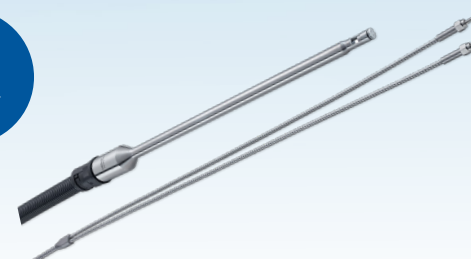
OPTICAL PROBES

Hellma Excalibur XP 12

Hellma Falcata XP 12



OR



+

RETRACTABLE FITTINGS

Knick SensoGate

Knick Ceramat



OR



ATEX COMPATIBLE

All optical probes and retractable fittings are ATEX certified for use in hazardous areas.



FULLY COMPATIBLE SYSTEM

Both optical probes can be used with either retractable fitting.

TYPICAL APPLICATIONS



Chemical



Petrochemical



Pharma



Food &
Beverage



Polymers

