



Hellma[®]
Analytics
High Precision in Spectro-Optics



Knick >



A Strong Team.

HELLMA IMMERSION PROBES
WITH KNICK RETRACTABLE DEVICES

Product description

The established **Hellma Analytics** Immersion probe series **Excalibur** and **Falcata** get boosted by the **Knick** retractable devices **Ceramat**[®] and **SensoGate**[®]. Both – the probes and the retractable devices – are set up modular giving a huge range of possible installations.

- // Probes can be **calibrated while the process** is still running
- // **Cleaning in place** – retractable devices allow an **easy cleaning** of the probes
- // **Huge variety of possible connectors** – suits every process
- // **Market leading technology** partners Hellma Probes & Knick retractable devices
- // **Perfectly easy service** – probes can be installed or removed during running process
- // **Knick Ceramat**[®] – the most durable and rugged retractable device on the market





Knick Ceramat®

The Knick Ceramat® is the ideal complement for the rugged Hellma Analytics Falcata immersion probe series. Ceramat® uses a unique lock-gate principle.

TYPE	Ceramat WA150 & WA153
Matching Probe Type	Falcata 661.7059 (barrel length: 320 mm)
TYPE	CeraLong WA154
Matching Probe Type	Falcata 661.7059 (barrel length: 520 mm)
Sealing Materials	Kalrez®
Body Materials	PEEK, PVDF, 1.4404, HC-22 for the retractable device; 1.4435, HC-22 for the probe
Process Connection	DIN DN50 – DN200; ANSI 2" – 6"; BioControl DN50 or DN65; Varivent > DN50; others upon request
Optical Path Length of Falcata probes	1, 2, 5, 10 or 20 mm



Knick SensoGate®

Knick SensoGate® complements both Hellma Analytics Excalibur and Falcata immersion probe series. This combination offers the best flexibility.

TYPE	SensoGate WA130, WA130H, WA131, WA131H, WA131M and WA131MH
Matching Probe Type	Falcata 661.7071 (barrel length: 225 mm or 425 mm), Excalibur 661.2382 (barrel length: 225 mm or 425 mm)
Sealing Materials	Kalrez®
Body Materials	PEEK, PVDF, 1.4404, 1.4571, HC-22 for the retractable device; 1.4435, 1.4571, HC-22 for the probe
Process Connection	DIN DN32 – DN100; ANSI 1.5" – 3"; BioControl DN50 or DN65; Varivent > DN50; Ingoldport 25 mm; Threads G1, G1 ¼, G1 ½, R1, R1 ¼, NPT 1"; others upon request
Optical Path Length of Falcata probes	1, 2, 5, 10 or 20 mm
Optical Path Length of Excalibur probes	1, 2, 5 or 10 mm



If you have any questions please
feel free to contact us.

PAT@hellma.com

Hellma GmbH & Co. KG

Klosterrunsstraße 5 // 79379 Müllheim/Germany
phone: +49 7631 182-0 // fax: +49 7631 182-1011
e-mail: info.de@hellma.com

www.hellma-analytics.com

