

PRESSEMITTEILUNG

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An All-rounder for spectroscopic online measurements

»Excalibur HD FCP« flow cell for the demanding process environment

In the chemical, petrochemical, paint & coatings and agricultural industries, **process optimization is playing an increasingly important role in ensuring competitiveness.** For the sustainable success of manufacturing companies in these industries, it is therefore necessary to continuously improve existing manufacturing processes in terms of **process reliability, product quality and cost reduction.**

In order to meet these requirements, the industrial process analysis technology (PAT) uses, among others, the technique of spectroscopic UV, Vis or NIR online measurements.

The selection of a suitable measuring interface however is a challenge: Optical probes and flow-through measurement cells must work reliably even under **harsh conditions and must be compatible with the overall system.**

The »Excalibur HD FCP« **measuring cell** is a true all-rounder and excellently suited **for online measurements in the product flow or bypass of gases and liquids.** The robust construction, by using wear-free metal seals and sapphire optics, makes it particularly pressure and temperature stable.

Users who choose the »Excalibur HD FCP« measuring cell may know that

- no downtime or maintenance is required
- reliable and precise measurement results are achieved
- it can be used in potentially explosive areas (ATEX zones 1, 2, 21 and 22)

Another major advantage is the enormous flexibility of the measuring cell, as it can be **used** for measurements in both gases and liquids. This is made possible by the fact that the **cell center part can be replaced depending on the application and light path.**

With the help of the **Hellma Online Configurator**, the user can quickly and easily get an overview of the different variants.

[Hellma Configurator](#)

More information : www.hellma.com/excalibur-hd-fcp

Bild 1: Excalibur HD FCP measuring cell

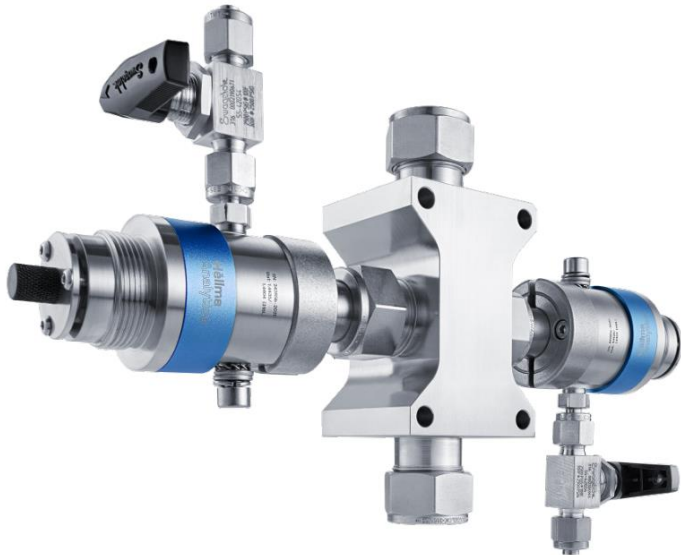


Bild 2: Excalibur HD FCP measuring cell in production line



Press contact :

Jürgen Schuy – Leitung Marketing
Hellma GmbH & Co. KG
Klosterrunsstr. 5
79379 Müllheim/Germany Telefon: 07631/182 1420
E-Mail: juergen.schuy@hellma.com
Web: www.hellma.com