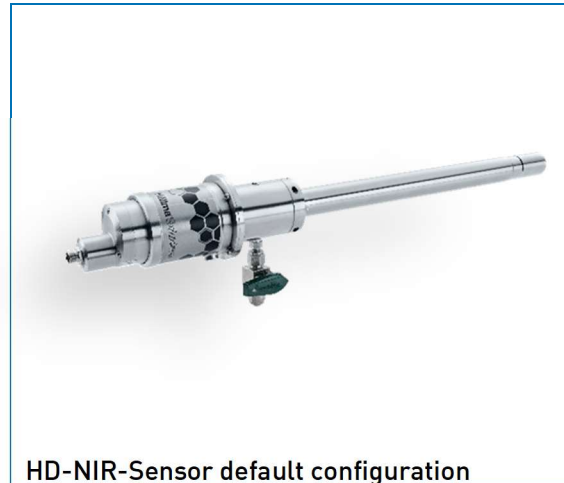


# HD-NIR-SENSOR

## Hellma Process Sensors

Hellmas process sensors contain all components of a full-sized spectrometer system combined in one compact device. These predeveloped sensors are ready to be tailored to customer needs and the individual application requirements.



HD-NIR-Sensor default configuration

## DEFAULT PROPERTIES

Designation		HD-NIR-Sensor
Measurement principle		Transmission
Technology		Linear variable filter / InGaAs
Measuring range		950-1650nm
Resolution		<1.25% of center wavelength (1% typical)
Pixel-to-pixel interval		6.2 nm
<b>Materials</b>	<b>Windows:</b>	Sapphire or quartz
	<b>Housing:</b>	stainless steel (*others on request)
	<b>Probe:</b>	stainless steel 316L (*others on request)
Communication interfaces		USB
Result calculation		PC
Process interface		tailored to customer requirements
Sample properties		Fluids
Operating pressure		< 250 bar (probe)
Operating temperature		< 50°C (housing); 250°C (probe)

All sensor characteristics can be adapted to customer requirements