

EXcell 240 NIR Biomass Sensor DN25



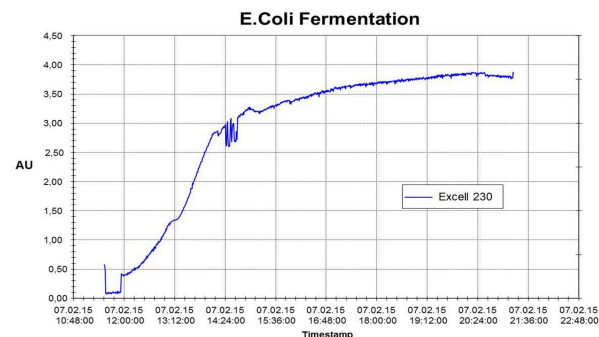
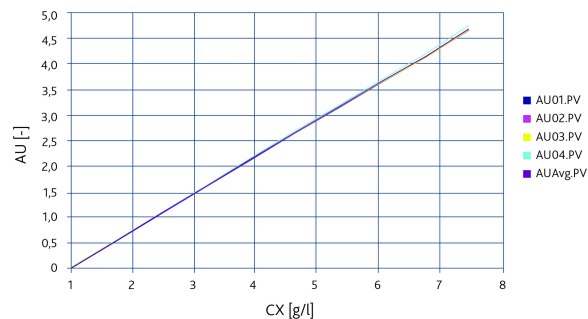
- » EBC / FAU / mg/l / AU / OD or customer defined units
- » high precision measurement up to 12 OD
- » DN25mm-design for welding sockets with integrated amplifier
- » no traditional transmitter necessary
- » wearless sapphire windows, hygienic design
- » maintenance free due to LED light source
- » PC-connection via USB and EXpert software

EXcell 240 is a high precision digital NIR-absorbance sensor for DN25-weld in sockets monitoring biomass measurement in biotech, food and pharma applications for both laboratories and industrial production processes

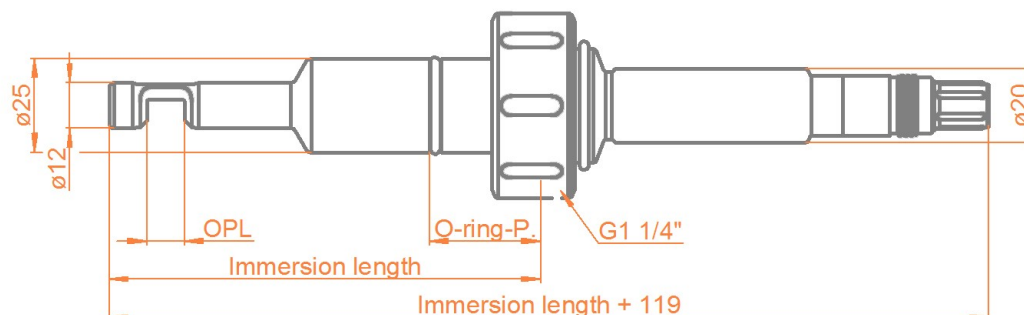
Specifications

measuring range	0...6 AU 0...6600 EBC
accuracy	99.25%
wave length	880nm
light source	LED
optical path length	5 / 10 / 20 mm
sensor length (mm)	70-85 / 110-125
wetted material	stainless steel 1.4435 (316L)
surface	Ra <0.4 µm electrolytically polished
measuring window	sapphire
process connection	thread G1 1/4" DN25
process temperature	0...90°C, 135°C max. for 2 hours (SIP cycle)
process pressure	max. 10 bar (150 psi)
electrical connection	VarioPin 6 pol
cable length	2m / 5m standard, 15m maximum
interfaces	USB, RS485 Modbus, 0...20mA with switching output

Typical Measurements



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Ordercode

Code	Material (wetted parts)	Delivery
4435	Stainless steel 1.4435 / 316L	2 weeks

Code	Immersion length	Delivery
070	65mm + optical path length	2 weeks
110	105mm + optical path length	2 weeks

Code	Optical path length	Delivery
05	5mm	2 weeks
10	10mm	2 weeks
20	20mm	2 weeks

Code	O-ring position	Delivery
25	25 mm	4 weeks
28	28 mm	4 weeks
29	29 mm	4 weeks
30	30 mm (for standard weld-in socket)	2 weeks
35	35 mm	4 weeks
50	50 mm (only for immersion length code 110)	4 weeks
55	55 mm (only for immersion length code 110)	4 weeks

Code	Sealing Material (wetted sealings)	Delivery
EPD	EPDM/FDA/USP VI	2 weeks

Accessories

