



B.DI2.P120

Bioreactor Probe

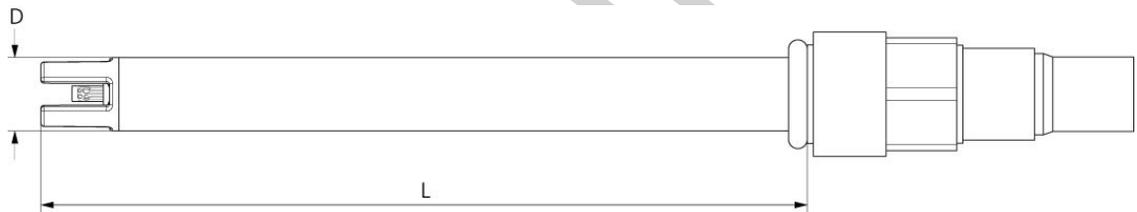
For in-line monitoring in cell cultures

A product of Jobst Technologies

Benefits & Characteristics

- Continuous measurement without need for sampling
- Reference, counter and blank electrodes on-chip
- Suitable for cell cultures
- For development in bioprocessing applications
- Enzyme-based amperometric measurement
- Fast response time
- Gamma sterilized
- For glass and plastic bioreactors
- Cable and transmitter also available

Illustration¹⁾



1) For actual size, see dimensions

Technical Data²⁾

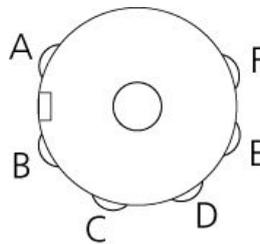
Dimensions (L/D in mm):	120.0 / 12.0	
Material:	Sensor shaft:	Polycarbonate (ISO 10993-1)
	Seal:	EPDM (FDA, USP Class VI)
	Base sensor:	Polyimide, pHEMA
Process connection:	PG 13.5	
Plug-in head:	VarioPin 6	
Measurable analyte:	Glucose	
Working electrode:	Platinum covered with enzyme membrane	
Blank electrode:	Platinum, for background compensation	
Reference electrode:	Silver/silver chloride (pseudo reference electrode)	
Counter electrode:	Platinum	
Operating measuring range at +37 °C ³⁾ :	0.1 mM to 33 mM / 0.02 g/l to 6 g/l	
Sterilization:	Gamma irradiation	
Time to first measurement after storage at +37 °C:	~ 5 hours	
Time response (t _{90%}) at +37 °C ³⁾ :	< 60 s	
Temperature influence:	~ 3.5 %/°C	



Storage conditions:	+4 °C to +35 °C
Shelf life:	> 6 months (at recommended storage conditions)
Operational life time ^{2) 4)} :	> 3 weeks at 6 g/L

- 2) All performance data was obtained using an acetate buffer. Sensor is well suited for bicarbonate-buffered media. For more information about medium composition please contact IST AG
 3) Parameters may vary depending on the medium type.
 4) May vary depending on the medium type. May decrease by higher analyte concentration and / or less dissolved oxygen in medium. For more information contact IST AG.

Pin assignment



A	B	C	D	E	F
Glucose	Blank	Counter	Reference	NC	NC

Order information

Reference	B.DI2.P120.G.VP6
Order code	105161
Former order code	390.00199

Disclaimer

Not for medical, diagnostics and use on humans. For evaluation use only. For more information contact IST AG.

