



Six



Biosensor transmitter



For bioanalytical applications



Benefits and characteristics

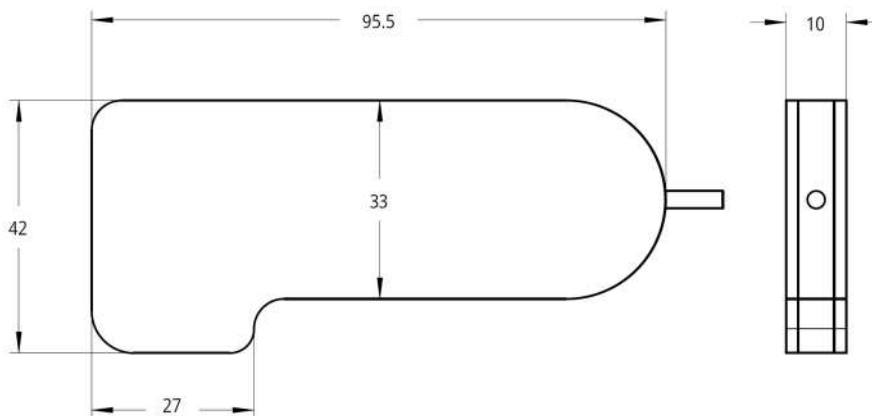


- 6-channel poly-potentiostat with fixed working potential
- Evaluation Kit compatible with B.LV5 and B.IV4 enzymatic biosensors
- Bipolar current measurement range
- Easy connectivity with USB or TTL UART
- OEM version available
- For industrial applications
- Evaluation software bioMON available for Windows (*)



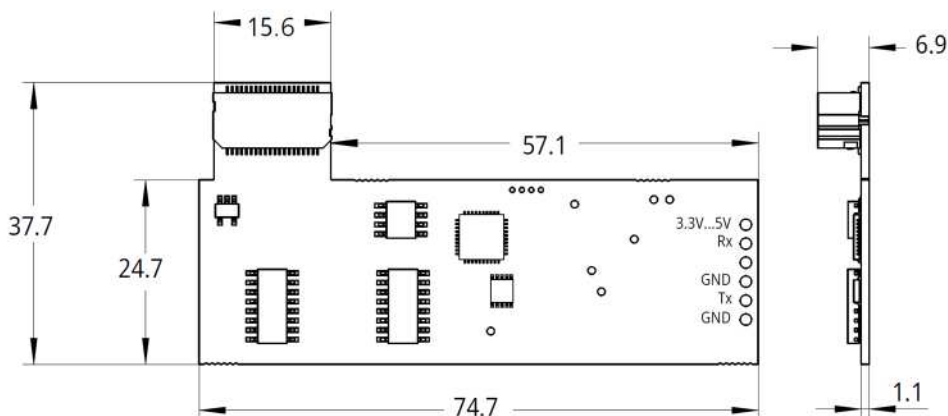
Illustration

SIX USB



SIX Biosensor Transmitter, with housing, with USB-connectivity for PC operation (dimensions in mm)

SIX OEM



SIX Biosensor Transmitter (OEM) with TTL UART-connectivity for OEM integration (dimensions in mm)

(*) Available for download at <https://www.ist-jobst.com/products/instrumentation/>



Technical data

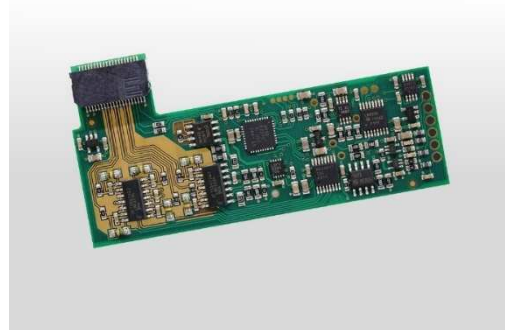


Version	Encased	Bare OEM
Dimensions (L x W x H in mm):	95 x 42 x 10	95 x 42 x 10
Digital interface (serial protocol syntax supplied):	USB 2.0 (Virtual Serial COM)	Bare TTL UART (3.3V)
Power:	From USB	+3.3 V to +5V supply required; 5 mA
Compliance:		±1 V
Current (min/max):		-50 nA to +50 nA (per channel)
Current resolution:		0.003 nA (typical RMS noise: 20 pA)
Working voltage:		+0.45 V (working vs. reference electrode)
Readings per second:		0.5
Temperature compensation:		Built-in on board
Connector type:	Right angle micro edge card socket (MEC6-RA, 40, 0.635 mm)	
Connectivity to sensor:	Packaged B.LV5 Biosensor fits directly (no further cable required); alternatively, general purpose screw terminal connectors are available	

Product photos



SIX Biosensor Transmitter - with housing, USB-Connection

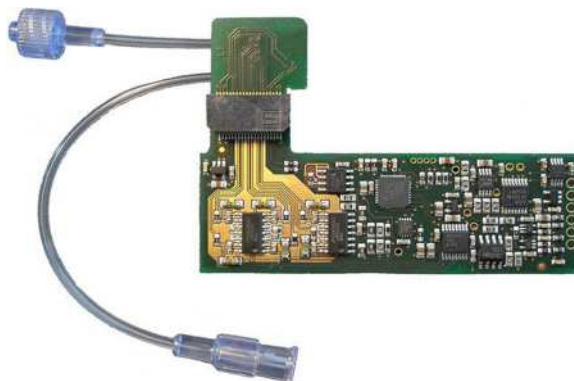


SIX Biosensor Transmitter (OEM)

Operation with iST Jobst biosensors



B.LV5 biosensor attached to SIX Biosensor Transmitter - with housing, USB-Connection



B.LV5 biosensor attached to SIX Biosensor Transmitter (OEM)



Order information



Product description	Product name	Product number	Order code iST
SIX Biosensor Transmitter - with housing, USB-Connection	SIX.050.045.100.N.C.U	10.00136	105452
SIX Biosensor Transmitter (OEM) - Sensor Reader Board without housing, TTL UART	SIX.050.045.100.B.C.B	10.00133	105453

Disclaimer

Evaluation product for professionals to be used solely for research and development purposes! Not for medical and diagnostic use. Not to be used on humans. For more information, contact iST Jobst.



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