



Six

Biosensor transmitter

For bioanalytical applications

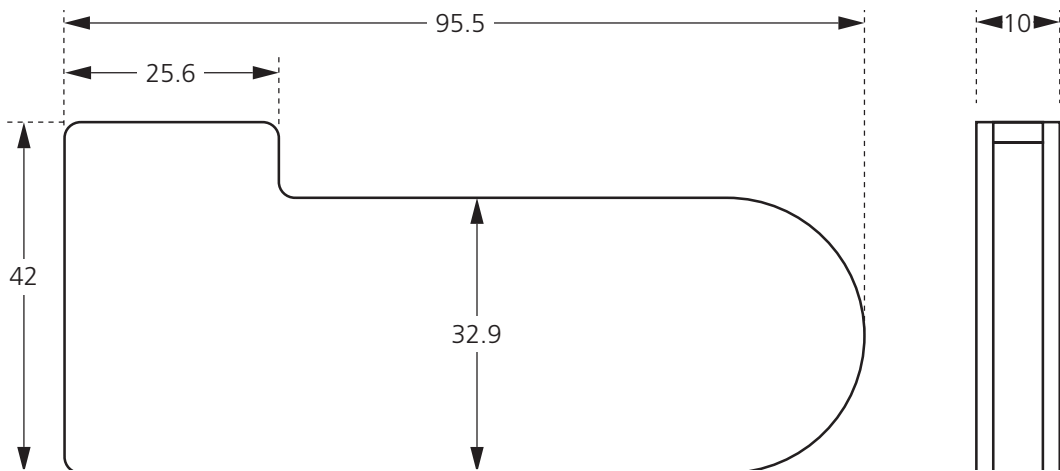
A product of Jobst Technologies

Benefits & Characteristics

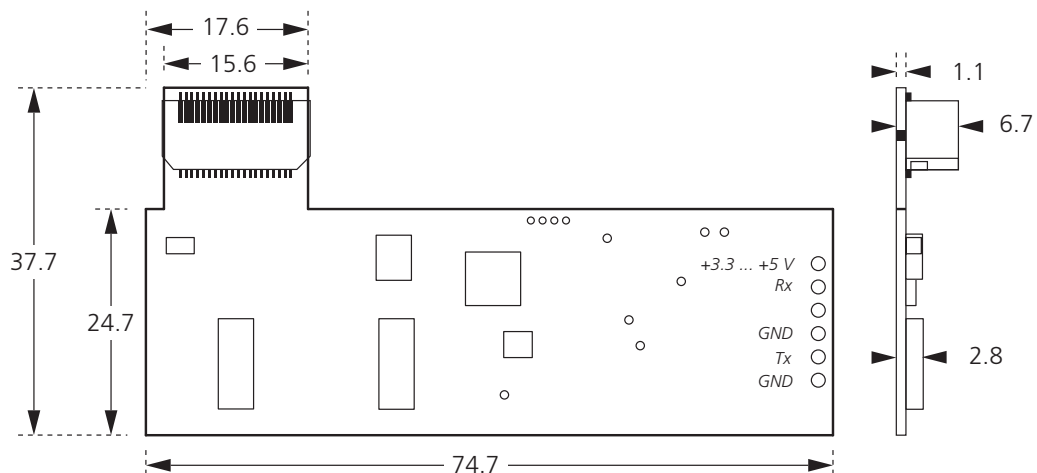
- 6-channel poly-potentiostat with fixed working potential
- Evaluation Kit compatible with B.LV5 and B.IV4 enzymatic biosensors
- Bipolar current measurement range
- Evaluation software Biomon available for Windows
- Easy connectivity with USB or TTL UART
- OEM version available
- For industrial applications

Illustration

Encased „Six“ with USB-connectivity for PC operation (dimensions in mm):



Bare „Six“ with TTL UART-connectivity for OEM integration (dimensions in mm)::





Technical Data

	Encased	Bare OEM
Dimensions (L x W x H in mm):	95 x 42 x 10	75 x 38 x 7
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:	0.6	
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	
Software:	Windows-based evaluation software (evaluation license valid for 100 days, contact IST AG for more options)	

Order information – Encased Biosensor Transmitter

Order code	SIX.050.045.100.N.C.U 600.00119
------------	------------------------------------

Order information – Bare OEM Biosensor Transmitter

Order code	SIX.050.045.100.B.C.B 600.00120
------------	------------------------------------

Disclaimer

Not for medical, diagnostics and use on humans. This is an Evaluation Kit solely destined for professionals to be used solely at research and development facilities for such purposes. For more information contact IST AG.



Innovative Sensor Technology IST AG, Stegrütistrasse 14, 9642 Ebnat-Kappel, Switzerland
 Phone: +41 71 992 01 00 | Fax: +41 71 992 01 99 | Email: info@ist-ag.com | www.ist-ag.com

All mechanical dimensions are valid at 25 °C ambient temperature, if not differently indicated • All data except the mechanical dimensions only have information purposes and are not to be understood as assured characteristics • Technical changes without previous announcement as well as mistakes reserved • The information on this data sheet was examined carefully and will be accepted as correct; No liability in case of mistakes • Load with extreme values during a longer period can affect the reliability • The material contained herein may not be reproduced, adapted, merged, translated, stored, or used without the prior written consent of the copyright owner • Typing errors and mistakes reserved • Product specifications are subject to change without notice • All rights reserved