

Test Diagnostic Boards

CALIBRATION, VOLTAGE MONITORING & TROUBLESHOOTING

MKS voltage monitoring diagnostic boards offer a convenient and fast method for calibrating, testing and troubleshooting MKS Mass Flow Controllers, Baratron® Capacitance Manometers and other electronic instruments.

Features

- Industry standard DB-9, 15, 15HD, 25 and 37, male/female connectors
- One-to-one pin out configuration
- Solder post test terminals for each connector line
- Compact package allows for testing, calibration and set up, and troubleshooting in tight spaces

Benefits

- Diagnose problems without removing the instrument from the system
- Monitor the “health” of the Baratron or Flow Controller
- Perform a baseline on each type of MFC to understand what the response is under normal circumstances
- Verify power supply voltage level and condition
- Check for ground loops or stray voltages between the common and ground pins

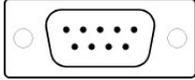
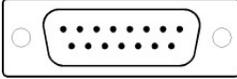
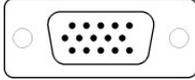
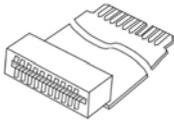
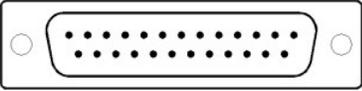
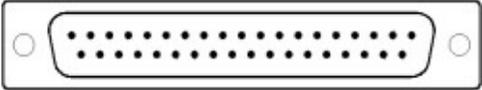


MKS Baratron® Capacitance Manometer with TDB-15 Voltage Monitoring Diagnostic Board

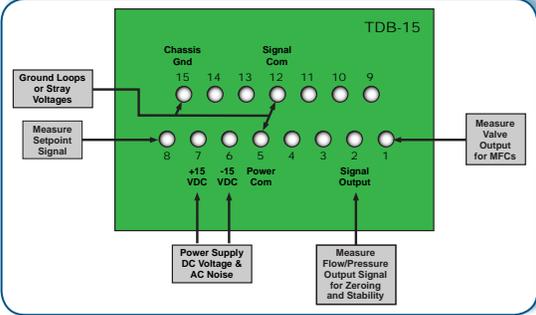
MKS test diagnostic printed circuit boards are configured with standard, male and female D-type connectors with a straight one-to-one pin out configuration. These boards can be inserted between the I/O connector of an instrument and it's mating cable, providing easy and clean access to test pins connected directly to the instruments' I/O contacts. This allows insitu monitoring of instrument input and output signals, supply power and ground quality. In addition, these boards can be used to calibrate and zero MKS Baratron® Capacitance Manometers and Mass Flow Controllers.



Specifications

Part Number	Description	Connector Illustration
TDB-9	Test diagnostic board with 9 pin D female to male	
TDB-15	Test diagnostic board with 15 pin D female to male	
TDB-15HD	Test diagnostic board with 15 pin high density D female to male	
TCE-20	Test diagnostic board with 20 pin edge card female to male	
TDB-25	Test diagnostic board with 25 pin D female to male	
TDB-37	Test diagnostic board with 37 pin D female to male	





Diagnostic Board (P/N TDB-15) for Electrical Troubleshooting

For instrument calibration, electronic testing and troubleshooting MKS recommends taking measurements directly at the interface connector of the unit. This eliminates erroneous noise, typically generated by incorrect grounding.



MKS Instruments, Inc.
Global Headquarters

2 Tech Drive, Suite 201
Andover, MA 01810
Tel: 978.645.5500
Tel: 800.227.8766 (in U.S.A.)
Web: www.mksinst.com

MKS Instruments, Inc.
Pressure & Vacuum Measurement Solutions

Six Shattuck Road
Andover, MA 01810
Tel: 978.975.2350