



SINGLE CHANNEL THERMOMETER

- "Precision... easy to use"*
- Wide temperature measurement
 - Ranges in both °C and °F
 - High resolution to 0.001 °C and °F
 - Dual chan also available



AUTOMATIC RESISTANCE BRIDGE

- "Accurate... Performs Calibrations Unattended"*
- Automated resistance and temperature bridge
 - BridgeWorks-C™ Data Acquisition Software
 - Range: 1 μΩ to 100MΩ.
 - Accuracy: ± 0.04 ppm RDG
 - Wide range of ratios
 - Built-in voltages to 500 Vdc



STANDARD RESISTORS

- "Very High Stability..."*
- A family of standard resistors
 - Stability: to 2.5 PPM / year
 - Low temperature coefficient
 - Range: 0.1Ω to 10 Petaohm, other values available



PRESSURE & DEPTH TRANSDUCERS

- Ranges: ABS to 15,000 psi
- Accuracy: to 0.01% FS
- Output: 0-10 Vdc, 4-20 mA, RS-485
- ATEX-Ei, CE, ABS, Gauge, Diff.
- S/S or titanium



DEPTH & LEVEL TRANSMITTER

- "Low cost"*
- Submersible, 4-20mA, RS-232
 - 0-5 psig to 10,000 psig
 - Accuracy: to 0.1%
 - Temperature output option
 - Optional data logging with Windows® SW



An ISO 9001 Registered Company

Technel Engineering Inc.,
60 Marycroft Avenue, Unit 2,
Woodbridge, Ontario L4L 5Y5



For Technical Assistance Please Call: Carlo Rea, P.Eng., or Bill Ormerod, P.Eng. **905 851 4244**
Toll Free 1 888 882 1172 or Fax 905 851 5743 E-mail info@technel.com www.technel.com



SIGNAL CONDITIONING & DATA ACQUISITION

- High Bandwidth Signal Conditioning (up to 1 MHz)
- Digital Data Recorders
- Data Acquisition Software
- PCI Data Acquisition Boards
- LXI Compliant



CHART RECORDERS

- "The standard in flight inspections"*
- Compact, light weight
 - 32 Chan. Thermal Printhead
 - I/F: ARINC, AI, BCD, IEEE-488
 - Ideal for: airborne & power line monitoring



VXI, cPCI, PXI

- "High performance... turnkey software"*
- Modules and systems
 - Over 200 I/O modules
 - Turnkey software package that runs under windows
 - Drivers for LabVIEW®, LabWindows-CVI

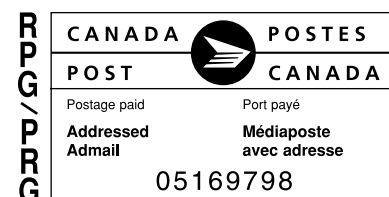


NEW
Technel Engineering Inc. is now a Certificate of Authorization holder for non-welded Class F & H Fittings. Technel is certified for fabrication, assembly and erection of power piping at field sites via Certificates QA 02458 & QA 02459.



SERVICES OFFERED

- Calibration
- Custom pressure calibration benches
- Pressure boundary tools
- On-site pressure training



RETURN POSTAGE GUARANTEED
PORT DE RETOUR GARANTI



Certificate of Authorization Holder



www.technel.com

Toll Free: 1 888 882 1172



An ISO 9001 Registered Company



calibration standards

data acquisition

instrumentation

temperature

position

pressure

signal conditioning



Honeywell



STAINLESS STEEL

- "Multi purpose, for harsh conditions"*
- Industrial grade pressure transducers
 - 0 to 3 to 20,000 psi
 - mV, V, 4-20 mA
 - low cost, 13mm diam.



INDUSTRIAL / AEROSPACE

- "Precision... Intelligent or Analog"*
- Two models: PPT for dry gas, PPT-R for media compatible with 316 s/s
 - High accuracy over wide temperature
 - Output: 0-5 Vdc, RS232 or RS485
 - Wide range of pressure
 - CSA, x-proof



OEM SENSORS

- "LOW pressure, small sensors... priced right!"*
- Low cost, OEM, small sensors
 - Ranges from 1" H₂O to 5000 psi, High Static Line Pressure
 - Different accuracies
 - SenSym ICT, Data Instruments and Honeywell brand products



LINEAR & ROTARY TRANSDUCERS

- "Long Life... rugged... shock & water resistant"*
- Potentiometric design
 - 0.5" to 60"
 - Precious metal contacts, s/s shafts
 - LOW cost industrial or MIL/Aerospace
 - Bushing or servo mount
 - 1 billion operations



DATA ACQUISITION FOR AEROSPACE & TRANSPORTATION

- Airborne data acquisition
- Communication/Telemetry
- Health Monitoring
- Flight Test Instrumentation



TAVIS Corporation



MILITARY / AEROSPACE

- For the most demanding environments*
- Range: 0.01 to 3500 psi
 - High overpressure, Wet/wet ΔP
 - Low power flight appl, small size
 - High shock, and vibration
 - Customized for special needs



INTELLIGENT, WATER LEVEL

- Proven reliability, 100's of installations*
- Intelligent, temperature compensated
 - Bubblers or submersible
 - Ideal for remote locations
 - Low power consumption
 - SDI-12/RS-232 interface

CONDEC



PRESSURE SOURCE

- "Quick, accurate and portable!"*
- Portable, pneumatic source
 - Up to 3000 psi
 - Micro-metering valves
 - Connects to virtually any electronic calibrator
 - NATO STOCK #



PORTABLE PRESSURE CALIBRATOR

- "Rugged... field calibrator"*
- Self contained cylinder
 - Vacuum to 10,000 psi
 - Truly a "field" calibrator
 - Exclusive precision vernier for precise control
 - NATO STOCK #



DIGITAL INDICATOR

- "Economical & accurate... % of RDG"*
- Built in transducer
 - Economical, Digital Pressure Indicator
 - Designed for setting pressure switches or pressure relief valves
 - Traceable to NIST



DIGITAL PRESSURE DIAL GAUGE

- "Accurate and simple to use"*
- High accuracy: ± 0.05% F.S.
 - Pressure range: 0-15 to 10,000 psi
 - MIN/MAX, TARE
 - RS-232
 - CSA-I/S Pending



Paroscientific, Inc.



LABORATORY STANDARD

- "Ultimate in pressure measurements"*
- Accuracy: 0.008% FS
 - Ranges: 0-15 psia to 40,000 psia
 - RS-232 interface
 - Integral Digiquartz[®] transducer
 - Two-line menu display with selectable functions



DEPTH & PRESSURE TRANSDUCERS

- "Precision... stability... reliability"*
- Digital output or quartz crystal frequency
 - Fully calibrated and thermally characterized
 - Accuracy: 0.01% F.S or better
 - Ranges 0-15 psia to 40,000 psia, 0-3, 0-6, 0-18 psid
 - Depth range to 7000 meters (ideal for tsunami detection)



FIELD STANDARD

- "Rugged... high reliability"*
- Accuracy: to 0.008% F.S..
 - Ranges: 0-15 psia to 40,000 psia
 - Environmental enclosure
 - Integral digiquartz[®] transducer
 - RS-232 and USB
 - Airfield functions



METEOROLOGICAL SYSTEM

- Barometer, temperature, relative humidity*
- Pressure accuracy ± 0.08 hPa from 620 to 1100 hPa
 - Temperature accuracy ± 0.1 deg C from -50 to + 60 deg C
 - Relative humidity accuracy ± 2% from 0 to 100%RH at 25 deg C.
 - Fan aspired probe system
 - RS-232 Bi-directional interface

Scanivalve Corp.



RACK MOUNTED PRESSURE SCANNERS

- "Rugged... High performance @ less than \$200/point"*
- Intelligent, temperature compensated
 - 6+ month calibration cycle
 - Ethernet, ARINC429, RS232 if/
 - LabVIEW[®] drivers
 - 50 samples/chan/sec



MINIATURE PRESSURE SCANNER

- "Ideal for pressure profiles"*
- Compact, 128 pressure inputs
 - Scan pressure up to 100 KHZ
 - Accuracy: 0.08% F.S.
 - Different sizes and shapes
 - Interfaces to DSM3400 or RAD3200



INTELLIGENT PRESSURE SCANNER

- "Rugged... compact"*
- Air or Liquid pressure measurement
 - 16 chan, temperature compensated sensors
 - Scan at 500 samples/chan/sec
 - Ethernet, labVIEW[®], OPC



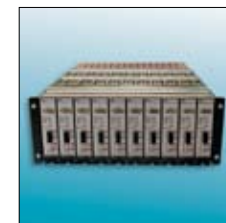
INTELLIGENT TEMPERATURE SCANNER

- "Ideal for engine test cells"*
- Ethernet TCP/IP protocol "network ready"
 - Engineering unit output
 - Accepts type E, J, K, N, R, S, and T
 - 10 samples/channel/second
 - Open thermocouple test
 - 1000 Vdc input isolation
 - 16, 32, 64 chan



MODULAR, DATA SYSTEM

- "Economical Pressure Data Acquisition"*
- Interfaces to ZOC modules
 - Modular 1 to 8 A/D sections
 - Extended USB Communications up to 150 feet
 - Calibration Time Savings
 - Sample rates to 500 Hz/chan



TRANSDUCER SIGNAL CONDITIONING

- "Simple with advanced features"*
- Individual or rack mount
 - Transducer & instrumentation amplifiers
 - 10 or 300 volts common mode
 - Gains 1 to 10,000
 - Fully programmable
 - 300 volts common mode



DATA ACQUISITION & CONTROL

- "Ideal for... structural testing, transportation, wind tunnels, propulsion"*
- Strain gauge, bridge, T/C, RTD, LVDT, V, I, event, frequency, count, period and time
 - Turnkey software
 - Amplifier-per-channel signal conditioning
 - Analog calibration

DH Budenberg

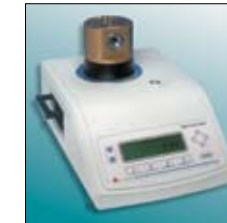
The Pressure Reference

NORTH AMERICA SALES & SUPPORT



PRIMARY PRESSURE STANDARDS

- "World's ultimate standard"*
- Hydraulic & Pneumatic
 - Vacuum to 72,500 psi
 - Accuracy: 10 ppm RDG
 - 50 countries use as primary standard



DIGITAL PRESSURE STANDARD

- "Metrological performance with the convenience of digital transfer standard"*
- Vacuum to 2,500 psi
 - Accuracy: 15 ppm over 3 years
 - Self calibrating
 - Integrated environmental monitoring module
 - Easy-to-use resulting in tremendous improvement in productivity



INDUSTRIAL DEADWEIGHT TESTERS

- "Calibration of general instrumentation"*
- Hydraulic & Pneumatic
 - Pressure ranges from 5"H₂O to 100,000 psi
 - Accuracy: to 0.006% of RDG
 - Many options to suit specific applications
 - Quick and easy to use
 - Priced right!

mentor



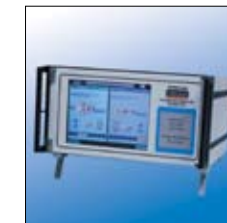
AVIONICS & PRESSURE GAUGE

- "Proven, reliable performance"*
- High Accuracy, 0.01% F.S.
 - Ranges: 10" H₂O to 10,000 psi
2000 to 100,000 ft
60 to 1000 knots
 - Battery power or AC
 - Dynamic Temperature Compensation
 - Barometric range



INTELLIGENT TRANSDUCERS

- "Precision... Priced Right!"*
- RS-232 or RS-485
 - Ranges: 0-10" H₂O to 6,000 psi
 - Accuracy: from ± 0.01% F.S.



DIGITAL PRESSURE CONTROLLER

- "Offers Multiple Transducers... Saves you money!"*
- 1 or 2 independent channel
 - 1 or 2 transducers per channel, 2 scales/transducer
 - Control Stability ≤ 0.003% F.S., Total Accuracy ± 0.01% F.S.
 - Ranges: from 10" H₂O to 6,000 psi
 - RS-232, Ethernet, IEEE-488
 - Air Data test set also available



HAND HELD, DIGITAL PRESSURE CALIBRATOR

- "With ABS ranges"*
- Dual or single range
 - Accuracy: 0.015% F.S.
 - Pressure range: 0-3 to 6000 psi
 - ABS, Gauge and mA input
 - Large, easy to read display