Air Pressure Products Catalog

Transducers

Monitoring Equipment

Transducer Housings

Power Supplies

Winmer Technology Innovators

3700 Osuna Blvd. NE, Suite 708  Albuquerque, NM 87109
Phone: (505) 344-5161  Fax: (505) 344-5165
www.winmertech.com
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## Dedicated (Resistive) Pressure Transducers

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Pressure Range Input/110kΩ-3.8MΩ Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 CEA</td>
<td>Aerial C Pressure Transducer (Commercial equivalent to ‘C’ Pressure Transducer (AT-8311))</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 CEA</td>
<td>0-13.8PSI (0-95kPa)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure Connection</th>
<th>Electrical Connection</th>
<th>Approximate Size/Weight</th>
<th>Case Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male 1/8-27NPT</td>
<td>6 Ft. SVO Cable, 2 Conductor, 18AWG with Spade Lugs</td>
<td>2 ¼” x 2 ¼” (base) x 3 ¾” high/2 Lbs.</td>
<td>Electro Tin Plated Brass Casting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Pressure Range Input/110kΩ-3.8MΩ Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 CME</td>
<td>Canister Transducer</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 CME</td>
<td>0-13.8PSI (0-95kPa)</td>
<td></td>
</tr>
<tr>
<td>730 CME-1</td>
<td>Canister Transducer w/ Stainless Steel Fittings</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 CME-1</td>
<td>0-13.8PSI (0-95kPa)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure Connection</th>
<th>Electrical Connection</th>
<th>Approximate Size/Weight</th>
<th>Case Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8” Plastic Tubing Fitting</td>
<td>Flat pins to mate with AMP 78 tab connectors</td>
<td>1.3” Diameter x 2.5” Long/3.5 Oz.</td>
<td>Nickel Plated Steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Pressure Range Input/110kΩ-3.8MΩ Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 PME</td>
<td>Pedestal/Panel Transducer (Also Available in 5.0 PSI to 14.5PSI Range)</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 PME</td>
<td>0-13.8PSI (0-95kPa)</td>
<td></td>
</tr>
<tr>
<td>730 PME-1</td>
<td>Pedestal/Panel Transducer w/15ft Wire Leads (Also Available in 5.0 PSI to 14.5PSI Range)</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 PME-1</td>
<td>0-13.8PSI (0-95kPa)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure Connection</th>
<th>Electrical Connection</th>
<th>Approximate Size/Weight</th>
<th>Case Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male 1/8-27 NPT</td>
<td>Flat Pins to Mate with AMP 78 tab connectors</td>
<td>1.3” Diameter x 2.5” Long/3.0 Oz.</td>
<td>Nickel Plated Steel</td>
</tr>
</tbody>
</table>
## Dedicated (Resistive) Pressure Transducers (Continued)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Pressure Range Input/110kOhm-3.8MOhm Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 SME</td>
<td>Splice Case Transducer</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 SME</td>
<td></td>
<td>0-13.8PSI (0-95kPa)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure Connection</th>
<th>Electrical Connection</th>
<th>Approximate Size/Weight</th>
<th>Case Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>One Pair, 22AWG, 6 Feet</td>
<td>1.3” Diameter x 2.5” Long/3.5 Oz.</td>
<td>Nickel Plated Steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Pressure Range Input/110kOhm-3.8MOhm Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 UF</td>
<td>Underground F Transducer</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 UF</td>
<td></td>
<td>0-13.8PSI (0-95kPa)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure Connection</th>
<th>Electrical Connection</th>
<th>Approximate Size/Weight</th>
<th>Case Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8” Plastic Tubing</td>
<td>Through ‘C’ Housing</td>
<td>2 ½” x 2 ½” x 3 ½” High (exclusive of fittings)/1Lb.</td>
<td>Electro Tin Plated Brass Casting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Pressure Range Input/110kOhm-3.8MOhm Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>730(4) UFM</td>
<td>Underground Mini F</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 UFM</td>
<td></td>
<td>0-13.8PSI (0-95kPa)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure Connection</th>
<th>Electrical Connection</th>
<th>Approximate Size/Weight</th>
<th>Case Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8” Plastic Tubing</td>
<td>Through TH5 or TH10 Housing</td>
<td>2.12” x 2.12” x 4” High/12Oz.</td>
<td>Electro Tin Plated Brass Casting</td>
</tr>
</tbody>
</table>
Dedicated (Resistive) Pressure Transducers (Continued)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Pressure Range Input/Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 UG</td>
<td>Underground Transducer with mounting plate for individual placement</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 UG</td>
<td>Same as 730 UG but with separate external sealed electrical pair (for encasement in plastic tubing)</td>
<td>0-13.8PSI (0-95kPa)</td>
</tr>
<tr>
<td>730 UG-1</td>
<td>Same as 730 UG but with separate sealed electrical pair in a 6’ SVO cable</td>
<td>0-9.5PSI (0-65.5kPa)</td>
</tr>
<tr>
<td>734 UG-1</td>
<td>Underground Pressure Transducer with separate electrical pairs from pressure input</td>
<td>0-13.8PSI (0-95kPa)</td>
</tr>
<tr>
<td>730 UG-3</td>
<td>0-9.5PSI (0-65.5kPa)</td>
<td></td>
</tr>
<tr>
<td>734 UG-3</td>
<td>0-13.8PSI (0-95kPa)</td>
<td></td>
</tr>
<tr>
<td>730 UG-4</td>
<td>0-9.5PSI (0-65.5kPa)</td>
<td></td>
</tr>
<tr>
<td>734 UG-4</td>
<td>0-13.8PSI (0-95kPa)</td>
<td></td>
</tr>
</tbody>
</table>

Pressure Connection | Electrical Connection (Except UG-3) | Approximate Size/Weight | Case Material |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8” Plastic Tubing Fitting</td>
<td>15ft, 2 Conductor, 22AWG Solid Vinyl insulation, color coded Black/White</td>
<td>2 1/4” x 2 1/4” x 3 3/4” High 2 Lbs</td>
<td>Electro Tin Plated Brass Casting</td>
</tr>
</tbody>
</table>

Bell Type Transducers

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400280368</td>
<td>C Transducer (CAO–8311)</td>
</tr>
<tr>
<td>401601547</td>
<td>F Transducer (CAO–8772)</td>
</tr>
<tr>
<td>401601547A</td>
<td>F Transducer, Top Valve (CAO–8772)</td>
</tr>
<tr>
<td>401601554</td>
<td>G Transducer (CAO–8772)</td>
</tr>
</tbody>
</table>
### Bell Type Transducers (Continued)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>401601562</td>
<td>H Transducer (CAO–8772)</td>
</tr>
<tr>
<td>401601851</td>
<td>5 Bank C Housing for F Transducers (CAO–8773)</td>
</tr>
<tr>
<td>401664461</td>
<td>5 Bank C Housing with 6 pair stub and 1 F Transducer</td>
</tr>
<tr>
<td>401664479</td>
<td>5 Bank C Housing with 6 pair stub and 2 F Transducers</td>
</tr>
<tr>
<td>401664487</td>
<td>5 Bank C Housing with 6 pair stub and 3 F Transducers</td>
</tr>
<tr>
<td>401664495</td>
<td>5 Bank C Housing with 6 pair stub and 4 F Transducers</td>
</tr>
<tr>
<td>401664503</td>
<td>5 Bank C Housing with 6 pair stub and 5 F Transducers</td>
</tr>
</tbody>
</table>

### Housings and Hardware

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>733 UC-5/6W/TP</td>
<td>5 Bank C Housing with 6 pair stub &amp; Talk Pair</td>
</tr>
<tr>
<td>733 UC-5/6WO/TP</td>
<td>5 Bank C Housing with 6 pair stub, without Talk Pair</td>
</tr>
<tr>
<td>733 UC-5/12W/TP</td>
<td>5 Bank C Housing with 12 pair stub, &amp; Talk Pair</td>
</tr>
<tr>
<td>733 UC-5/12WO/TP</td>
<td>5 Bank C Housing with 12 pair stub, without Talk Pair</td>
</tr>
<tr>
<td>733 UC-5/25W/TP</td>
<td>5 Bank C Housing with 25 pair stub &amp; Talk Pair</td>
</tr>
<tr>
<td>733 UC-5/25WO/TP</td>
<td>5 Bank C Housing with 25 pair stub, without Talk Pair</td>
</tr>
<tr>
<td>733 UCA-5</td>
<td>5 Bank C Housing for Addressable FSA Transducers</td>
</tr>
<tr>
<td>733.58</td>
<td>B Stub Cable Fitting</td>
</tr>
</tbody>
</table>
Addressable Pressure Transducers

- Fully Compatible with ALL Sparton addressable components and monitoring systems.
- 730 USA “F” Type (AT-8772) housing with B Fitting (for 3/8” plastic tubing) and test valve. Electrical Connection via 24 AWG Pair through air pressure input port.
- 730 USA-1 “F” Type (AT-8772) housing with B Fitting (for 3/8” plastic tubing) and test valve. Electrical Connection via separate sealed external electrical pair.
- 730 USA-3 “F” Type (AT-8772) housing with B Fitting (for 3/8” plastic tubing) and test valve. Electrical connection via separate external pair in 6 foot SVO cable.

- 730 FSA For mounting on Bell Standard “C” Housings, Winmer 733 UC-5 or UCA-5 Housings.
- 730 CSA For aerial cable pressure applications. Same as the USA-3, but has a 1/8-27 NPT nipple instead of B pressure fitting.
- 730 Series Pressure Range: 0-9.5PSI (0-65.5kPa)
- 734 Series Pressure Range: 0-14.5 PSI (0-100kPa)
- Case Material: Electro Tin Plated Brass Casting
- USA/CSA, 2 ½” square (at base) x 3 ¾” High. Weight: 2 lbs.

Addressable Characteristics:

<table>
<thead>
<tr>
<th>Transducer Address:</th>
<th>8 Bit binary level shifted pulse width modulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission Rate:</td>
<td>3 BPS</td>
</tr>
<tr>
<td>Line Voltage:</td>
<td>50 VDC Nominal</td>
</tr>
<tr>
<td>Transducer Response:</td>
<td>20Hz to 40Hz, 2 mAmp peak to peak, current modulated</td>
</tr>
<tr>
<td>Reporting Pair Current:</td>
<td>8.5 mAmp Maximum</td>
</tr>
</tbody>
</table>
### Addressable Pressure Transducers (Continued)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Input Resistance Range / Frequency Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>736SS</td>
<td>Addressable Converter Module for Resistance Input to Addressable Output</td>
<td>110kΩ – 3.8MΩ 20Hz to 40Hz</td>
</tr>
<tr>
<td>736SS-1</td>
<td>Addressable Converter Module for Resistance Input to Addressable Output (Board Only)</td>
<td>110kΩ – 3.8MΩ 20Hz to 40Hz</td>
</tr>
</tbody>
</table>

### Portable Addressable Transducer Tester

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5207</td>
<td>Portable Addressable Transducer Tester</td>
</tr>
</tbody>
</table>

Tests all Sparton Type addressable pressure, flow, and moisture transducers and addressable contact alarm modules.

Reads pressure directly in PSI, kPa and mBar.

Accuracy 1%, range 0-15 PSI, 0-150 kPa, 0-1500 mBar

### Moisture Sensors

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>732 AMS-4(8)</td>
<td>Addressable Moisture Sensor</td>
</tr>
<tr>
<td>732 MS-4(8)</td>
<td>Resistive Moisture Sensor—When Dry Sensor reads greater than 1.8 MΩ of resistance, which corresponds to a standard 9.0 PSI pressure value. When Wet, the resistance drops to less than 500kΩ, which corresponds to standard 6.5 PSI pressure value. Sensors are reusable and once dried the resistance returns to its normal high value. Moisture sensors are designed to withstand the harsh environment of the outside plant environment and will detect moisture on as little as ¼” of the sensing cable. Standard cable lengths are 4 and 8 ft.</td>
</tr>
</tbody>
</table>

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Phone: (505) 344-5161  Fax: (505) 344-5165  Web: www.winmertech.com
Components for Sparton Type Air Pressure Monitoring Systems

**Power Supplies**

532099-48  -48VDC Single Board Power Supply
532099-115 115VAC Single Board Power Supply
532099-48K -48VDC Single Board Power Supply Conversion Kit
532099-115K 115VAC Single Board Power Supply Conversion Kit
532059-2 -48VDC Plug-In Supply for 539X Systems

**Addressable**

530707 Addressable module. Consists of addressable controller board (532026), 4-input jumper board (532054), and 2-slot backplane (532055). Accommodates 4 input pairs.

530707-24 Addressable module. Consists of addressable controller board (532026), 4-input jumper board (532054), and 2-slot backplane (532055). Accommodates 24 input pairs.

532026 Mini-addressable controller board (MAC board)
532053 Mini-addressable multiplexer board. Expands the 530707 Module to 24 input pairs.
532054 Mini-addressable, 4-input jumper board for 530707
532055 2-slot addressable backplane
530127 ADD-CA-VC-D Frame Interconnect Block

**Dedicated**

530500 Master Dedicated Line Transducer Module. (Includes 1 ea. 530502 & 1 ea. 530503 Bds.)
530500-LED Master Dedicated Line Transducer Module with LEDs. (Includes 1 ea. 530502-LED & 1 ea. 530503-LED Bds.)
530502 DLT Bus Interface Board
### Components for Sparton Type Air Pressure Monitoring Systems (Continued)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>530502-LED</td>
<td>DLT Bus Interface Board with LEDs</td>
</tr>
<tr>
<td>530503</td>
<td>DLT Switching Matrix Board</td>
</tr>
<tr>
<td>530503-LED</td>
<td>DLT Switching Matrix Board with LEDs</td>
</tr>
<tr>
<td>530505</td>
<td>Expansion DLT Module</td>
</tr>
<tr>
<td>530506</td>
<td>DLT Frame Interconnect Block</td>
</tr>
</tbody>
</table>

**Subscriber**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>530600</td>
<td>Master Subscriber Line Transducer Module</td>
</tr>
<tr>
<td>530602</td>
<td>SLT Bus Interface Board</td>
</tr>
<tr>
<td>530603-A</td>
<td>SLT Busy Detect Board</td>
</tr>
<tr>
<td>530606</td>
<td>Expansion SLT Module</td>
</tr>
<tr>
<td>530608</td>
<td>SLT Frame Interconnect Block (including 530607 Jumper Plug Set)</td>
</tr>
<tr>
<td>530609</td>
<td>SLT Switching Matrix Board (replaces 530604)</td>
</tr>
<tr>
<td>530609-LED</td>
<td>SLT Switching Matrix Board with LEDs</td>
</tr>
</tbody>
</table>

**Binary**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>530157</td>
<td>Binary Frame Interconnect Block</td>
</tr>
<tr>
<td>530710-24</td>
<td>Binary Input/Output Module (24 point capacity)</td>
</tr>
<tr>
<td>530710-96</td>
<td>Binary Input/Output Module (96 point capacity)</td>
</tr>
<tr>
<td>530770</td>
<td>Expansion Binary Module (96 point capacity)</td>
</tr>
<tr>
<td>532010-B</td>
<td>Universal Controller Board, Binary (5301, 5310, 5306)</td>
</tr>
<tr>
<td>532024</td>
<td>Binary Input/Output Personality Board (5301, 5310, 5302, 5306)</td>
</tr>
<tr>
<td>532071</td>
<td>Binary Input Board (24 inputs)</td>
</tr>
<tr>
<td>532071-LED</td>
<td>Binary Input Board (24 inputs) with LEDs</td>
</tr>
<tr>
<td>532072</td>
<td>Binary Output Board (24 outputs)</td>
</tr>
<tr>
<td>532072-LED</td>
<td>Binary Output Board (24 outputs) with LEDs</td>
</tr>
</tbody>
</table>
Components for Sparton Type Air Pressure Monitoring Systems (Continued)

Components for Universal 539X Systems

- **532056** Universal switching matrix board, 25 inputs. Handles any mix of dedicated, subscriber or binary
- **532057** Universal 4-slot Backplane
- **532058** Universal controller board for 532056, 532061 and 532156
- **532061** Universal switching matrix board for enhanced services systems (Call Waiting, etc.), 12 inputs
- **532156** Enhanced universal switch matrix, 25 inputs
- **539001-06** Universal frame interconnect block, 4 connectors with 2 shorting plugs (for 532056 or 532061)
- **539006** 66 Type 25-pair Frame Interconnect Block with male connector

Spare Parts for Sparton Type Air Pressure Monitoring Systems

- **530105S** ADC (Analog to Digital Conversion) Board
- **530203-1** Single Slot Backplane for SBSCCM
- **532001** Universal 3-Slot Module
- **530149** 2400 Baud Answer Only Modem
- **530109** Supplemental Chassis for 5300 APMCS. Specify 19” or 23”
- **818F4120** Transformer, 115 & 220 VAC, 50 Hz (5207)
- **40-102956-1** 2400-baud plug-in modem for use with 535500 ‘B’ board/5318. (XECOM)
- **PFS-1** Power Failure Sensor (normally closed)
- **PFS-2** Power Failure Sensor (normally open)

Dual Equipment Alarm Transmitter Module

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Alarm Output Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>720 DEAT</td>
<td>Input Connections of up to two -48V Powered Alarm Circuits (Wet) with Dry Contact Alarm Outputs. -48VDC power monitoring included Alarm Conditions “Or’d” to provide Dry Contact CO Alarm</td>
<td>-1: 540k/270k -2: 270k/Short -3: Open/Short -4: 420k/120k</td>
</tr>
</tbody>
</table>
Network Compatible Solution for Monitoring Applications

5318L

- Plug and Play Replacement for 5318 Units
- 25 Dedicated/Binary Inputs
- Satellite or Standalone Operation
- < 5 Watts Power Consumption

Standard Configuration Comes Equipped with:

- 56K Modem Access
- Multiple Session LAN Access
- Reliable RISC based Hardware Controller with On-Board Watchdog Circuitry and LED Indicator
- Flash Operating System (with Remote Upgrade Capability)
- Program Data stored in Flash Memory with Redundant Backup File Structure. (No Battery Required to Maintain Database Integrity)
- Remote Database Saving/Loading via Industry Standard File Transfer Protocol (Kermit)
- Menu Driven Operating System Compatible with Existing Sparton Architectures
- Opto Isolated Serial Port (DB-9)