

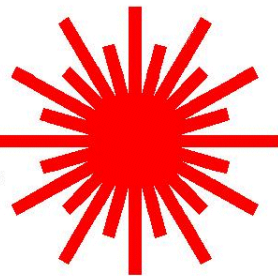


Transducers



Monitoring Equipment

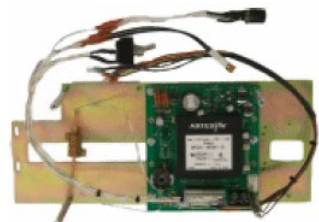
Winner Technology Innovators



Air Pressure Products Catalog



Transducer Housings



Power Supplies

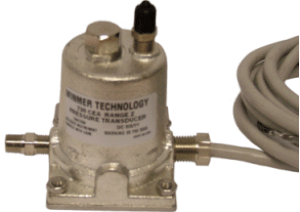



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Dedicated (Resistive) Pressure Transducers


		Model Number	Description	Pressure Range Input/ 110k0hm-3.8M0hm Output	
 <p><u>730(4) CEA</u></p>		730 CEA	Aerial C Pressure Transducer (Commercial equivalent to 'C' Pres- sure Transducer	0-9.5PSI (0-65.5kPa)	
		734 CEA	(AT-8311))	0-13.8PSI (0-95kPa)	
		Pressure Connection	Electrical Connection	Approximate Size/Weight	Case Material
		Male 1/8-27NPT	6 Ft. SVO Cable, 2 Conductor, 18AWG with Spade Lugs	2 1/2" x 2 1/2" (base) x 3 3/4" high/2 Lbs.	Electro Tin Plat- ed Brass Casting


		Model Number	Description	Pressure Range Input/ 110k0hm-3.8M0hm Output	
 <p><u>730(4) CME</u></p>		730 CME	Canister Transducer	0-9.5PSI (0-65.5kPa)	
		734 CME		0-13.8PSI (0-95kPa)	
		730 CME-1	Canister Transducer w/ Stainless Steel Fittings	0-9.5PSI (0-65.5kPa)	
		734 CME-1		0-13.8PSI (0-95kPa)	
		Pressure Connection	Electrical Connection	Approximate Size/Weight	Case Material
		3/8" Plastic Tubing Fitting	Flat pins to mate with AMP 78 tab connectors	1.3" Diameter x 2.5" Long/3.5 Oz.	Nickel Plated Steel


		Model Number	Description	Pressure Range Input/ 110k0hm-3.8M0hm Output	
 <p><u>730(4) PME</u></p>		730 PME	Pedestal/Panel Transducer	0-9.5PSI (0-65.5kPa)	
		734 PME	(Also Available in 5.0 PSI to 14.5PSI Range)	0-13.8PSI (0-95kPa)	
		730 PME-1	Pedestal/Panel Transducer w/15ft Wire Leads	0-9.5PSI (0-65.5kPa)	
		734 PME-1	(Also Available in 5.0 PSI to 14.5PSI Range)	0-13.8PSI (0-95kPa)	
		Pressure Connection	Electrical Connection	Approximate Size/Weight	Case Material
		Male 1/8-27 NPT	Flat Pins to Mate with AMP 78 tab connectors	1.3" Diameter x 2.5" Long/3.0 Oz.	Nickel Plated Steel



Dedicated (Resistive) Pressure Transducers (Continued)



	Model Number	Description	Pressure Range Input/ 110k0hm-3.8M0hm Output	
 <u>730(4) SME</u>	730 SME	Splice Case Transducer	0-9.5PSI (0-65.5kPa)	
	734 SME		0-13.8PSI (0-95kPa)	
	Pressure Connection	Electrical Connection	Approximate Size/Weight	Case Material
	None	One Pair, 22AWG, 6 Feet	1.3" Diameter x 2.5" Long/3.5 Oz.	Nickel Plated Steel

	Model Number	Description	Pressure Range Input/ 110k0hm-3.8M0hm Output	
 <u>730(4) UF</u>	730 UF	Underground F Transducer	0-9.5PSI (0-65.5kPa)	
	734 UF		0-13.8PSI (0-95kPa)	
	Pressure Connection	Electrical Connection	Approximate Size/Weight	Case Material
	3/8" Plastic Tubing Fitting	Through 'C' Housing	2 1/2" x 2 1/2" x 3 1/2" High (exclusive of fittings)/1Lb.	Electro Tin Plated Brass Casting

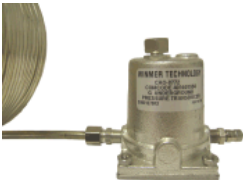

	Model Number	Description	Pressure Range Input/ 110k0hm-3.8M0hm Output	
 <u>730(4) UFM</u>	730 UFM	Underground Mini F	0-9.5PSI (0-65.5kPa)	
	734 UFM		0-13.8PSI (0-95kPa)	
	Pressure Connection	Electrical Connection	Approximate Size/Weight	Case Material
	3/8" Plastic Tubing Fitting	Through TH5 or TH10 Housing	2.12" x 2.12" x 4" High/12Oz.	Electro Tin Plated Brass Casting



Dedicated (Resistive) Pressure Transducers (Continued)

Model Number	Description	Pressure Range Input/ 110k0hm-3.8M0hm Output	
 <u>730(4) UG</u>	730 UG 734 UG Underground Transducer with mounting plate for individual placement	0-9.5PSI (0-65.5kPa) 0-13.8PSI (0-95kPa)	
 <u>730(4) UG-1</u>	730 UG-1 734 UG-1 Same as 730 UG but with separate external sealed electrical pair (for encasement in plastic tubing)	0-9.5PSI (0-65.5kPa) 0-13.8PSI (0-95kPa)	
	730 UG-3 734 UG-3 Same as 730 UG but with separate sealed electrical pair in a 6' SVO cable	0-9.5PSI (0-65.5kPa) 0-13.8PSI (0-95kPa)	
	730 UG-4 734 UG-4 Underground Pressure Transducer with separate electrical pairs from pressure input	0-9.5PSI (0-65.5kPa) 0-13.8PSI (0-95kPa)	
Pressure Connection	Electrical Connection (Except UG-3)	Approximate Size/Weight	Case Material
3/8" Plastic Tubing Fitting	15ft, 2 Conductor, 22AWG Solid Vinyl insulation, color coded Black/White	2 1/2" x 2 1/2" x 3 3/4" High 2 Lbs	Electro Tin Plated Brass Casting

Bell Type Transducers

Model Number	Description
 <u>F Transducer</u>	400280368 C Transducer (CAO-8311)
 <u>G Transducer</u>	401601547 F Transducer (CAO-8772)
	401601547A F Transducer, Top Valve (CAO-8772)
	401601554 G Transducer (CAO-8772)
	 <u>C Transducer</u>
	 <u>F Transducer, Top Valve</u>



Bell Type Transducers (Continued)

Model Number	Description
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H Transducer

401601562	H Transducer (CAO-8772)
401601851	5 Bank C Housing for F Transducers (CAO-8773)
401664461	5 Bank C Housing with 6 pair stub and 1 F Transducer
401664479	5 Bank C Housing with 6 pair stub and 2 F Transducers
401664487	5 Bank C Housing with 6 pair stub and 3 F Transducers
401664495	5 Bank C Housing with 6 pair stub and 4 F Transducers
401664503	5 Bank C Housing with 6 pair stub and 5 F Transducers



Bell C Housing

Housings and Hardware

Model Number	Description
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733 UC-5

733 UC-5/6W/TP	5 Bank C Housing with 6 pair stub & Talk Pair
733 UC-5/6WO/TP	5 Bank C Housing with 6 pair stub, without Talk Pair
733 UC-5/12W/TP	5 Bank C Housing with 12 pair stub, & Talk Pair
733 UC-5/12WO/TP	5 Bank C Housing with 12 pair stub, without Talk Pair
733 UC-5/25W/TP	5 Bank C Housing with 25 pair stub & Talk Pair
733 UC-5/25WO/TP	5 Bank C Housing with 25 pair stub, without Talk Pair
733 UCA-5	5 Bank C Housing for Addressable FSA Transducers



733.58

733.58	B Stub Cable Fitting
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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.


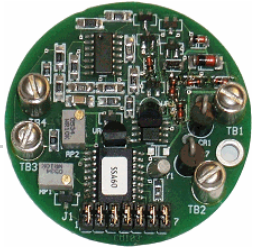
- 730 FSA For mounting on Bell Standard “C” Housings, Winmer 733 UC-5 or UCA-5 Housings.
- 730 CSA For aerial cable pressure applications. Same as the USA-3, but has a 1/8-27 NPT nipple instead of B pressure fitting.
- 730 Series Pressure Range: 0-9.5PSI (0-65.5kPa)
- 734 Series Pressure Range: 0-14.5 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:

Transducer Address: 8 Bit binary level shifted pulse width modulated
Transmission Rate: 3 BPS
Line Voltage: 50 VDC Nominal
Transducer Response: 20Hz to 40Hz, 2 mAmp peak to peak, current modulated
Reporting Pair Current: 8.5 mAmp Maximum




Addressable Pressure Transducers (Continued)

	Model Number	Description	Input Resistance Range / Frequency Output	
	736SS	Addressable Converter Module for Resistance Input to Addressable Output	110k0hm – 3.8M0hm 20Hz to 40Hz	
	736SS-1	Addressable Converter Module for Resistance Input to Addressable Output (Board Only)	110k0hm – 3.8M0hm 20Hz to 40Hz	


736SS

736SS-1

Portable Addressable Transducer Tester

Model Number	Description
 <u>5207</u>	<p>Portable Addressable Transducer Tester</p> <p>Tests all Sparton Type addressable pressure, flow, and moisture transducers and addressable contact alarm modules.</p> <p>Reads pressure directly in PSI, kPa and mBar.</p> <p>Accuracy 1%, range 0-15 PSI, 0-150 kPa , 0-1500 mBar</p>

Moisture Sensors

Model Number	Description	
732 AMS-4(8)	Addressable Moisture Sensor	
732 MS-4(8)	<p>Resistive Moisture Sensor—When Dry Sensor reads greater than 1.8 M0hms of resistance, which corresponds to a standard 9.0 PSI pressure value.</p> <p>When Wet, the resistance drops to less than 500k0hms, which corresponds to standard 6.5 PSI pressure value.</p> <p>Sensors are reusable and once dried the resistance returns to its normal high value.</p> <p>Moisture sensors are designed to withstand the harsh environment of the outside plant environment and will detect moisture on as little as 1/4" of the sensing cable.</p> <p>Standard cable lengths are 4 and 8 ft.</p>	

732 MS-4(8)

732 AMS-4(8)



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)

- 530502-LED** DLT Bus Interface Board with LEDs
- 530503** DLT Switching Matrix Board
- 530503-LED** DLT Switching Matrix Board with LEDs
- 530505** Expansion DLT Module
- 530506** DLT Frame Interconnect Block

Subscriber

- 530600** Master Subscriber Line Transducer Module
- 530602** SLT Bus Interface Board
- 530603-A** SLT Busy Detect Board
- 530606** Expansion SLT Module
- 530608** SLT Frame Interconnect Block (including 530607 Jumper Plug Set)
- 530609** SLT Switching Matrix Board (replaces 530604)
- 530609-LED** SLT Switching Matrix Board with LEDs

Binary

- 530157** Binary Frame Interconnect Block
- 530710-24** Binary Input/Output Module (24 point capacity)
- 530710-96** Binary Input/Output Module (96 point capacity)
- 530770** Expansion Binary Module (96 point capacity)
- 532010-B** Universal Controller Board, Binary (5301, 5310, 5306)
- 532024** Binary Input/Output Personality Board (5301, 5310, 5302, 5306)
- 532071** Binary Input Board (24 inputs)
- 532071-LED** Binary Input Board (24 inputs) with LEDs
- 532072** Binary Output Board (24 outputs)
- 532072-LED** Binary Output Board (24 outputs) with LEDs



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

Model Number	Description	Alarm Output Options
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720 DEAT

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

-1: 540k/270k
-2: 270k/Short
-3: Open/Short
-4: 420k/120k



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)