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**I/P**  
**&**  
**E/P**

### Electro-Pneumatic Transducers



## Product Line Summary

#### SPECIFICATION CHARACTERISTIC

#### TYPE 1000 SERIES

SPECIFICATION CHARACTERISTIC	TYPE 1000 SERIES
E/P Supply Requirements	loop-powered
I/P Supply Requirements	loop-powered
Voltage Input Ranges (DC)	0-5, 1-9, 0-10, 1-5
Impedance Voltage (ohms)	530-985
Current Input Ranges (mA)	4-20, 10-50
Impedance Current (ohms)	70-220
Analog Monitor Output	no
Logic Output	no
Internal Feedback (closed loop)	no
External Feedback	no
Reverse Acting	yes
Minimum Supply Pressure (psi)	3 psig above output
Maximum Supply Pressure (psi)	100
Output Pressure Range(s) (psi)	3-9, 9-15, 3-15, 3-27, 6-30, 1-17, psi and 0.2-1.0 BAR
Flow Rate (scfm)	12
@ supply (psi)=	100
@ output (psi)=	midrange
Exhaust Capacity (scfm) @ 5 psid	2 (7 on HR version)
Exhaust Capture	option
Air Consumption (scfh) @ midrange	6
Repeatability (% of span, typ.)	0.5
Independent Linearity (% of span, typ)	1.0
Hysteresis (% of span, typ.)	1.0
Accuracy (% of span, typ.)	
Operating Temp (°C)	-29° to 60°
Output Gauge Port	yes
Weight (lbs.)	2.1
Width (in.) – Depth (in.) – Height (in.)	2 1/8" – 2 1/8" – 4"
Supply Port	1/4" NPT
Output Port	1/4" NPT
Tapped Exhaust Port	option
Electrical Port (STD)	1/2" NPT

Electrical Specifications

Performance Specifications

Physical Specifications

Convertisseurs I/P





Convertisseurs I/P

SPECIFICATION CHARACTERISTIC	TYPE 1500 SERIES ZERO BASED	TYPE 2000 SERIES
<b>Electrical Specifications</b>		
E/P Supply Requirements	loop-powered	5-28 VDC
I/P Supply Requirements	loop-powered	loop-powered
Voltage Input Ranges (DC)	0-5, 1-9, 1-10, 0-10, 1-5	0-5, 1-5, 1-9, 1-10, 0-10
Impedance Voltage (ohms)	250	1.75 K
Current Input Ranges (mA)	4-20	4-20
Impedance Current (ohms)	250	195 @ 20 mA DC
Analog Monitor Output	no	no
Logic Output	no	no
Internal Feedback (closed loop)	no	yes
External Feedback	no	no
Reverse Acting	yes	yes
Minimum Supply Pressure (psi)	10 above output	5 psi above output or 40 psi
Maximum Supply Pressure (psi)	150	140
Output Pressure Range(s) (psi)	0-15, 0-30, 0-60, 0-120	0-2, 0-5, 0-15, 3-15, 1-17, 0-30, 6-30, 3-27, 0-60, 0-100, 0-120
<b>Performance Specifications</b>		
Flow Rate (scfm)	9	21
@ supply (psi)=	150	140
@ output (psi)=	15	60
Exhaust Capacity (scfm) @ 5 psid	>1.0	3.0
Exhaust Capture	option	option
Air Consumption (scfh) @ midrange	18 (max. output)	4
Repeatability (% of span, typ.)	<0.5	0.1
Independent Linearity (% of span, typ.)	<1.0	
Hysteresis (% of span, typ.)	<1.0	0.1
Accuracy (% of span, typ.)		0.1
Operating Temp (°C)	-28° to 66°	-28° to 71°
Output Gauge Port	yes	yes
Weight (lbs.)	1.6	1.4
<b>Physical Specifications</b>		
Width (in.) – Depth (in.) – Height (in.)	1.5" – 3.2" – 5.2"	2.3" – 2.9" – 4.9"
Supply Port	1/4" NPT	1/4" NPT
Output Port	1/4" NPT	1/4" NPT
Tapped Exhaust Port	option	option
Electrical Port (STD)	1/2" NPT	1/2" NPT
Electrical Connections (option)	DIN 43 650-A, Term Blk, 1/2" BSPT	DIN 43 650-A, Term Blk
Mounting Options	Inline, pipe, panel, DIN-rail, manifold	Pipe, panel, bracket, valve, DIN-rail, manifold
Mounting Orientation Insensitivity	some	excellent
Vibration / Shock Insensitivity	good	excellent
External Span / Zero Adjustment	yes	no



SPECIFICATION CHARACTERISTIC	TYPE 3500 SERIES
E/P Supply Requirements	15± 10% VDC, 24± 10% VDC (80-325 mA)
I/P Supply Requirements	15-24 VDC (80-325 mA)
Voltage Input Ranges (DC)	0-10
Impedance Voltage (ohms)	2 K - 8 K
Current Input Ranges (mA)	0-20, 4-20
Impedance Current (ohms)	250
Analog Monitor Output	yes
Logic Output	option
Internal Feedback (closed loop)	yes
External Feedback	option
Reverse Acting	yes
Minimum Supply Pressure (psi)	100% of output
Maximum Supply Pressure (psi)	See product literature
Output Pressure Range(s) (psi)	0-1, 0-5, 0-15, 0-30, 0-100, 0-150, (0-300, 0-600 in T3510 only)
Flow Rate (scfm)	1.2, 12, 50
@ supply (psi)=	
@ output (psi)=	
Exhaust Capacity (scfm) @ 5 psid	T3510 - 1.2, T3511- 10 & T3512 - 15
Exhaust Capture	option
Air Consumption (scfh) @ midrange	negligible
Repeatability (% of span, typ.)	0.1 to 0.2
Independent Linearity (% of span, typ)	0.1 to 0.2
Hysteresis (% of span, typ.)	0.1 to 0.5
Accuracy (% of span, typ.)	0.1 to 0.5
Operating Temp (°C)	0° to 60°
Output Gauge Port	yes
Weight (lbs.)	T351 - 1.2, T3511 - 1.4, T3512 - 2.0
Width (in.) – Depth (in.) – Height (in.)	2.3" – 2.3" – 5" max.
Supply Port	1/8", 1/4", 3/8" NPT
Output Port	1/8", 1/4", 3/8" NPT
Tapped Exhaust Port	No. 10-32 UNF-2B
Electrical Port (STD)	micro style 6 pin micro
Electrical Connections (option)	
Mounting Options	Pipe, Panel, Bracket (3511 - Manifold)
Mounting Orientation Insensitivity	excellent
Vibration / Shock Insensitivity	excellent
External Span / Zero Adjustment	yes (electronic)

Convertisseurs I/P