

Transmitter and Transducer Selection Guide



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AMETEK[®]
U.S. GAUGE
PMT PRODUCTS

K796448

Transmitter and Transducer Selection Guide

PROCESS AND INDUSTRIAL TRANSMITTERS AND TRANSDUCERS



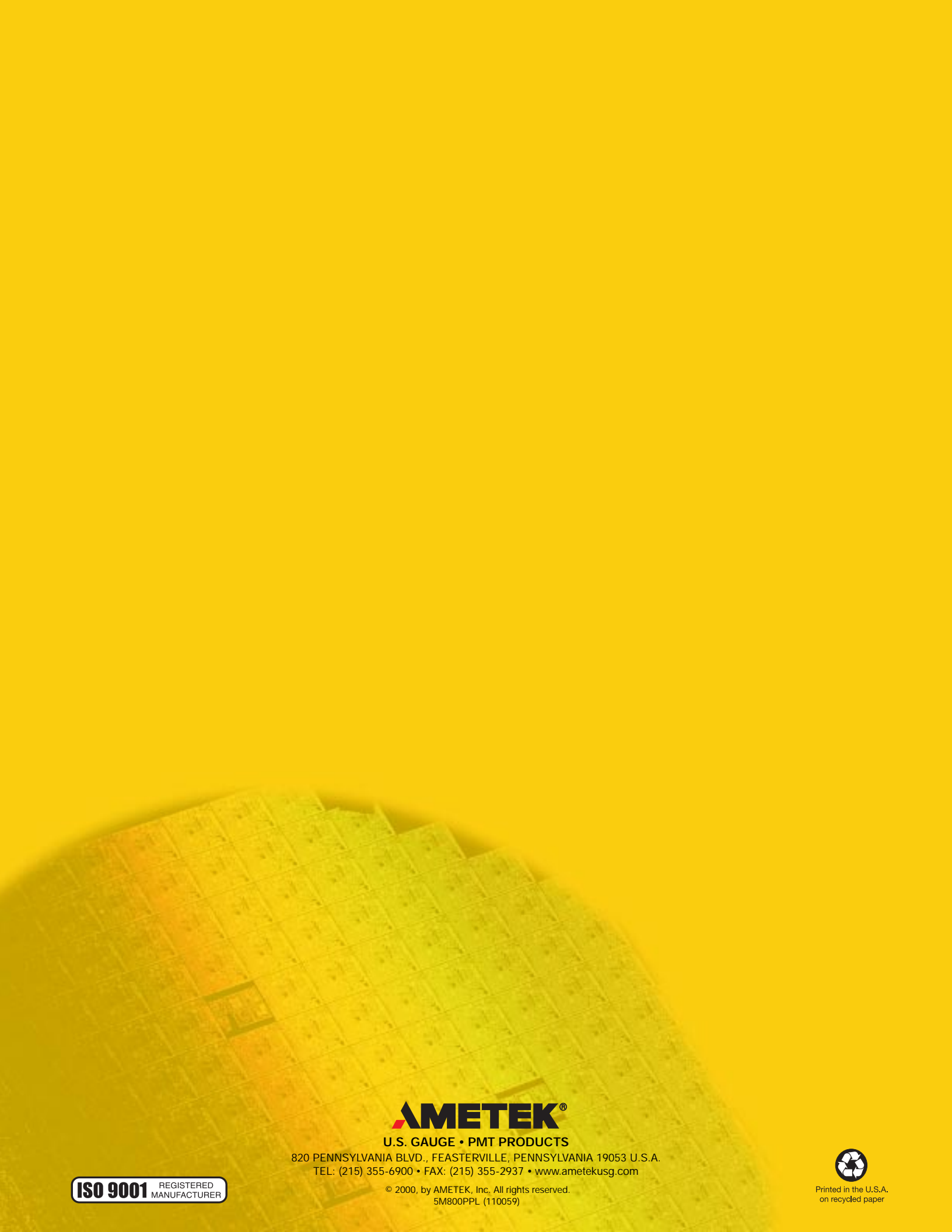
Model	MPT	IPT	IPTS	LPT	SPT	P207	IND100	831 Low Power
Features	Low Price Small Size Interchangeable Excellent Stability	Low Price Interchangeable Excellent Stability	Stainless Steel Wetted Parts Excellent Stability	All Stainless Steel 5 Times Burst Pressure Ratiometric Output	Amplified Output Automotive Connector 5 Times Burst Pressure	Lowest Price Viscous Damping Weathertight Adjustable	Internal Shunt Calibration Excellent Noise Immunity Long Term Stability Adjustable	Less than 30 Milliwatts For Solar/Battery All Stainless Steel
Ranges	0-1 Thru 0-500 psi 0-0.07 Thru 0-35 bar	0-1 Thru 0-500 psi 0-0.07 Thru 0-35 bar	0-30 Thru 0-500 psi 0-2 Thru 0-35 bar	0-30 Thru 0-5000 psi 0-2 Thru 0-350 bar	VAC Thru 0-5000 psi 0-0.4 Thru 0-350 bar	0-30 Thru 0-6000 psi 0-2 Thru 0-400 bar	0-50 Thru 0-3000 psi 0-3 Thru 0-200 bar	0-15 Thru 0-5000 psi 0-1 Thru 0-350 bar
Gage	X	X	X	X	X	X	X	X
Vacuum	X	X	X	X	X	X	X	X
Compound	X	X	X	X	X	X	X	X
Absolute				X	X			X
Sealed				X	X			X
Process Connection	1/4" NPT Male	1/8" NPT Male	1/8" NPT Male	1/4" NPT Male	1/8" NPT Male	1/8" NPT Male	1/4" NPT Male	1/2" NPT Female
Wetted Parts	Fluorosilicone Silicon-Semiconductor <i>Pyrex</i> Glass 303 Stainless Steel	Fluorosilicone Silicon-Semiconductor <i>Pyrex</i> Glass 303 Stainless Steel	316L Stainless Steel	316L Stainless Steel	316L Stainless Steel	Brass and Beryllium Copper Stainless Steel (Optional)	316L and <i>Hastelloy C22</i>	316L Stainless Steel
INPUT								
For mV Out	10 VDC	10 VDC	10 VDC	10 VDC				
For Volt Out		12-25 VDC	12-25 VDC		8-15 VDC	9-28 VDC	12-30 VDC	6-14 and 8-14 VDC
For mA Out		12-25 VDC	12-25 VDC			15-40 VDC	12-30 VDC	
OUTPUT								
Millivolts	0-100 mV	0-100 mV	0-100 mV	0-100 mV				
Volts		1-5 VDC	1-6 VDC		1-6 VDC	1-5 VDC	0-5 VDC	0.8-3.2 and 1-5 VDC
Milliamps		4-20 mA	4-20 mA			4-20 mA	4-20 mA	
Housing	Molded <i>Ultem</i>	Molded <i>Ultem</i>	Molded <i>Ultem</i>	316 Stainless Steel	Molded <i>Valox</i>	Molded <i>Ultem</i>	316 Stainless Steel	316 Stainless Steel
Calibration	Fixed Range	Fixed Range	Fixed Range	Fixed Range	Fixed Range	Fixed Range Optional Zero Adjustment	Zero and Span Adjustment	Fixed Range
Accuracy	± 0.25%	± 0.30%	± 0.30%	± 0.25%	± 0.25%	± 2.0%	± 0.25%	± 0.30%
Electrical Connection	Packard Connector and 18" #20 AWG Wire	Connector and 18" #20 AWG Shielded Wire	Connector and 18" #20 AWG Shielded Wire	18" #24 AWG Shielded Wire	Packard Connector and 18" #20 AWG Wire	7.5" #18 AWG Wire	10' Shielded Cable Optional <i>Bendix</i> or Optional 1/2" NPT Conduit	24" Cable and 3/4" NPT Female Conduit
Agency Approvals and Standards			IP-64 NACE	IP-64 NACE	IP-64 NACE		NACE, CE NEMA 4X / IP-56	NACE NEMA 4
Intrinsically Safe Explosion Proof							CSA/NTRL/CENELEC	FM
PMT Bulletin #	K796420	K796410	K796412	K796411	K796394	K796417	K796436	K796395
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FLUSHMOUNT TRANSMITTERS

SUBMERSIBLE TRANSMITTERS



831	851T	88	851F	88F	88S	550	575	Model
Low Price All Stainless Steel	All Stainless Steel Adjustable	All Stainless Steel Field Terminal Block Adjustable	All Stainless Steel Field Terminal Block Adjustable	All Stainless Steel Field Terminal Block Adjustable	Sanitary CIP/SIP All Stainless Steel Adjustable	Removable Snubnose Atmospheric Reference Submersible to 690 feet (211 meters)	Removable Snubnose Atmospheric Reference Submersible to 690 feet (211 meters)	Features
0-15 Thru 0-5000 psi 0-1 Thru 0-350 bar	0-3 Thru 0-5000 psi 0-0.2 Thru 0-350 bar	0-3 Thru 0-5000 psi 0-0.2 Thru 0-350 bar	0-3 Thru 0-300 psi 0-0.2 Thru 0-20 bar	0-3 Thru 0-300 psi 0-0.2 Thru 0-20 bar	0-6 Thru 0-300 psi 0-0.2 Thru 0-20 bar	0-7 Thru 0-690 feet 0-2 Thru 0-211 meters	0-7 Thru 0-690 feet 0-2 Thru 0-211 meters	Ranges
X	X	X	X	X	X	X	X	Gage
X	X	X						Vacuum
X	X	X						Compound
X	X	X						Absolute
X	X	X						Sealed
1/2" NPT Female	1/2" NPT Female	1/2" NPT Female	1-1/2" Flushmount	1-1/2" Flushmount	1-1/2" and 2" Tri-Clover	Snubnose Threaded 1/2" NPT	Snubnose Threaded 1/2" NPT	Process Connection
316L Stainless Steel	316L Stainless Steel	316L Stainless Steel	316L Stainless Steel and <i>Hastelloy C276</i> <i>Teflon</i>	316L Stainless Steel and <i>Hastelloy C276</i> <i>Teflon</i>	316L Stainless Steel	316L Stainless Steel Polyurethane <i>Viton</i>	316L Stainless Steel Polyurethane <i>Viton</i>	Wetted Parts
								INPUT
								For mV Out
								For Volt Out
								For mA Out
12-30 VDC	12-40 VDC	12-40 VDC	12-40 VDC	12-40 VDC	12-40 VDC	12-40 VDC	12-40 VDC	OUTPUT
								Millivolts
								Volts
4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA	Milliamps
316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Housing
Fixed Range	Bench Adjustable 5:1 Turndown	Field Adjustable 5:1 Turndown	Bench Adjustable 5:1 Turndown	Field Adjustable 5:1 Turndown	Field Adjustable 5:1 Turndown	Fixed Range	Bench Adjustable	Calibration
± 0.30%	± 0.25%	± 0.25%	± 0.25%	± 0.25%	± 0.25%	± 0.25%	± 0.25%	Accuracy
24" Cable and 3/4" NPT Female Conduit	24" #22 AWG Shielded Cable Optional 1/2" NPT Conduit	1/2" NPT Female Conduit	24" #22 AWG Shielded Cable Optional 1/2" NPT Conduit	1/2" NPT Female Conduit	1/2" NPT Female Conduit	20 Gauge Shielded Cable Up to 3000 feet Optional 1/2" Conduit	20 Gauge Shielded Cable Up to 3000 feet Optional 1/2" Conduit	Electrical Connection
NACE NEMA 4	NACE NEMA 4	CE NACE NEMA 4	NACE NEMA 4	CE NACE NEMA 4	3A Sanitary CE			Agency Approvals and Standards
FM	FM and CSA FM and CSA	FM/CSA/CENELEC FM and CSA	FM and CSA FM and CSA	FM/CSA/CENELEC FM and CSA			CSA	Intrinsically Safe Explosion Proof
K796379	K796381	K796382	K796381	K796373	K796398	K796426	K796422	PMT Bulletin #
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