

GP:50 PRESSURE, LEVEL & TEMPERATURE PRODUCTS

INSTRUMENTS DESIGNED FOR THE UPSTREAM OIL AND GAS MARKETPLACE: SUBSEA, OFFSHORE AND LAND BASED APPLICATIONS

• Some options may affect performance, size, or other characteristics. Consult factory for final selection.
• Standard options shown. Many options available, consult factory.
• Accuracy includes; non-linearity, hysteresis & repeatability - BFSL.



INDUSTRIAL	SMART RANGEABLE	FLUSH MOUNT	TEMPERATURE TRANSMITTER	FLUSH MOUNT / CANBUS PRESSURE/TEMPERATURE	HAZARDOUS LOCATIONS FLUSH MOUNT	FIELD RANGEABLE	WECO® HAMMER UNION PRESSURE/TEMPERATURE	HIGH PRESSURE, HIGH TEMPERATURE WECO® UNION	DOWNHOLE PRESSURE/TEMPERATURE	SUBSEA PRESSURE/TEMPERATURE	SUBSEA DIFFERENTIAL	HIGH ACCURACY DIFFERENTIAL	SUBSEA PRESSURE / TEMPERATURE	CRYOGENIC
111/211/311	411	340-IM	340T	540/543	311-IM	1171	170/270/370	370-HPHT	120	7500-9000	7540	136/236/336	7500/7850	311-CRYO
APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS	APPLICATIONS

<ul style="list-style-type: none"> Oil field vehicles Hydraulic test stands Pneumatic / Hydraulic control Pumps & compressors Process control lines 	<ul style="list-style-type: none"> Off Shore rigs & pumping platforms Pipelines & processing Shipboard & marine 	<ul style="list-style-type: none"> Blender discharge pressure Frack pump suction pressure Skidded systems 	<ul style="list-style-type: none"> Oil field vehicles Oil and gas pipeline Chemical industries Laboratory 	<ul style="list-style-type: none"> Oil field vehicle controls Off-shore platforms Dredging Oil rig top side controls Process skids 	<ul style="list-style-type: none"> Blender discharge pressure Frack pump suction pressure Well head control Sludge & slurries Adhesives & paints 	<ul style="list-style-type: none"> Well head pressures BOP control Offshore control panels Pipelines & processing Shipboard & marine 	<ul style="list-style-type: none"> Fracing, cementing, MWD, Acidizing, Stand pipe, Stimulation, Choke & kill 	<ul style="list-style-type: none"> HPHT wells Fracing, cementing, MWD, Acidizing, Stand pipe, Stimulation, Choke & kill 	<ul style="list-style-type: none"> Oil field downhole tools MWD, PWD & LWD tools Geothermal Wellhead monitoring Coil tubing 	<ul style="list-style-type: none"> BOP controls Subsea well head control Sea level reference ROV & DSRV's Depth/level sensing 	<ul style="list-style-type: none"> Subsea well head control Sea level reference ROV & DSRV's 	<ul style="list-style-type: none"> Liquified natural gas transport & storage Flow measurement Leak test 	<ul style="list-style-type: none"> Military & commercial ROV's Subsea oil & gas Naval exploration Subsea oil wellhead pressures/temperatures 	<ul style="list-style-type: none"> LNG (Liquefied Natural Gas) processing, transportation & storage CNG (Compressed Natural Gas) Oil field nitrogen pumping
FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES	FEATURES
<ul style="list-style-type: none"> FM, CSA, ATEX & IEC approvals Rugged welded design High cycle life High proof pressure 	<ul style="list-style-type: none"> 4-20 mA with HART protocol 5:1 Ranging Secondary containment FM/CSA Explosion Proof available 	<ul style="list-style-type: none"> Compact 1" diameter design Flush-faced sensor Rugged all SST construction 5X proof pressure No zero offset 	<ul style="list-style-type: none"> Compact 1" diameter design 3/4" to 7" probe length Pressure rating 10K PSI Lightweight, 5 oz 	<ul style="list-style-type: none"> Compact 1" diameter Rugged welded design CANbus SAE J1939 or CANopen Protocol Pressure and temperature in one device (543) Flush sensor eliminates media plugging (540) 	<ul style="list-style-type: none"> FM, CSA, ATEX & IEC approvals Flush sensor eliminates media plugging No zero offset due to installation Rugged welded design High proof pressure options 	<ul style="list-style-type: none"> 5:1 ranging Magnetically coupled adjustment 4-20 mA loop powered FM, CSA Intrinsically Safe & Explosion Proof IP 67 & NEMA 6 rated housing 	<ul style="list-style-type: none"> 2"-1502, 2002 or 2202 WECO® Union Temperature output option Minimal knock up effect Protective 'cage' option eliminates connector damage 	<ul style="list-style-type: none"> Operation to +350 °F process Minimal knock up effect 	<ul style="list-style-type: none"> Rated to +400 °F Compact design, 3/4" diameter Welded, hermetic construction Optional pressure & temperature outputs 	<ul style="list-style-type: none"> API flanges HART protocol Exotic wetted materials Pressure & temperature output Redundant sensor option Rated to 30K feet 	<ul style="list-style-type: none"> Compact, rugged design High line / low DP ranges Flush port options Sea water rated Rated to 30K feet 	<ul style="list-style-type: none"> Compact design Digitally compensated 1K PSI line pressure Lightweight, rugged SST design 	<ul style="list-style-type: none"> Compact, sea water rated design Depth rated to 30K ft WC High accuracy RS232, RS485 output available 	<ul style="list-style-type: none"> Cryogenic service down to -320 °F (-196 °C) ATEX & CSA, Intrinsically Safe available Remote mounted electronics High-temp operation to +350 °F
RANGES (PSI)	RANGES (PSI)	RANGES (PSI)	RANGES (PSI)	RANGES (PSI) / °F	RANGES (PSI)	RANGES (PSI)	RANGES (PSI)	RANGES (PSI)	RANGES (PSI)	RANGES (PSI)	RANGES (PSID)	RANGES (PSI)	RANGES (PSI)	RANGES (PSI)
0-1 PSI thru 0-100K PSI G, SG, V, A	0-15 to 0-100K PSI G, SG, V, A	0-50 thru 0-500 PSI	-40 °F to +300 °F Process temperature	0-50 thru 0-1K PSI Temp: -65 °F to +300 °F	0-50 thru 0-750 PSI	0-15 thru 0-100K PSI G, SG, V, A	0-3K thru 0-20K SG	0-3K thru 0-20K SG	0-5K PSI thru 0-30K PSI	0-5K thru 0-25,000 PSI	0-50 thru 0-10K	1 PSID thru 500 PSID (higher ranges available, consult factory)	(7500) up to 20K (7850) -73 °C to +200 °C	0-150 thru 0-5K
ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)	ACCURACY (FSO)
±0.5%, ±0.2% or ±0.1%	±0.2% or ±0.1%	±0.5% or ±0.20%	±3.0 °F	±0.2% or ±0.1% Temp: ±3 °F	±0.5% or ±0.20%	±0.5% or ±0.25%	±0.25% or ±0.12%	±0.25%	±0.5% or ±0.25%	±0.2%	±0.5% or ±0.2%	±0.20%, ±0.10% or ±0.05%	(7500) ±0.3% or ±0.1% (7850) ±3% or ±1%	±0.5% or ±0.2%
OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT
mV/V, Vdc or 4-20 mA	4-20 mA with HART	4-20 mA (Voltage available)	4-20 mA (Voltage available)	• CANbus SAE J1939 • CAN Open	4-20 mA (Voltage available)	4-20 mA	mV/V, 0-5 Vdc or 4-20 mA	0-5 Vdc or 4-20 mA	2 or 3 mV/V	Dual 4-20 mA with HART	mV/V, 0-5 Vdc or 4-20 mA	mA, Vdc, mV/V, CANbus, USB or RS485	• 0-5 Vdc, 4-20 mA • RS232, RS485 & Can protocols available	4-20 mA or 0-5 Vdc
PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT	PROCESS PORT
1/4" NPT (F)	1/4" NPT (F)	1/2" NPT (M)	1/4" NPT (M)	1/2" NPT (M), with temperature probe(543)	1/2" NPT (M)	1/4" NPT (F)	2"-1502, 2002, 2202 or 602 WECO® Union	2"-1502, 2002 or 2202 WECO® Union	AS4395E04	API flange	1/4" NPT (F) (flush ports available)	1/4" NPT (F)	(7500) AS4395E04 (7850) w/ temp probe	AS4395E04 (M)
ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL
Liquid tight connection with 36" leads	1/2" NPT (M) conduit with 6ft 18 AWG cable	1/2" NPT (M) conduit with leads or SST military grade connector	6 PIN Bendix PTIH-10-6P	6 PIN Bendix PTIH-10-6P	6 PIN Bendix PTIH-10-6P	1/2" NPT (M) conduit with leads	User selectable	User selectable	Solder connection via J-Hooks	SST subsea rated connector	SST or glass filled Nylon subsea rated connector	6 PIN Bendix PTIH-10-6P	XSJJ-2-BCR (Seacon 2-pin)	PTIH-10-6P Bendix
WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS	WETTED PARTS
17-4 PH	17-4 PH	Inconel & 316L SST	316 SST	17-4 PH or Inconel	Inconel 718 & 316 SST	17-4 PH	17-4 PH or Inconel	17-4 PH or Inconel	Inconel 718	SST, Hastelloy & Inconel options	316 SST	316 SST	316 SST Inconel, Hastelloy, & Monel optional	17-4 PH