Additel 226, 226Ex Multifunction Process Calibrator



- Sourcing, Simulating and Measuring Pressure, **Temperature and Electrical Signals**
- **■** Built-in Barometer
- Intrinsically Safe Models Available (Ex)
- Large Smartphone Like Touchscreen User Experience
- USB Type-C and Bluetooth Communications
- IP67 Rated
- High Voltage Measurement Capability (300V AC)
- True RMS Voltage Meter Capability
- **Dual Channel Pressure Module Ports**
- High Static Differential Pressure Measurement 0.002% FS
- ISO 17025-accredited Calibration w/data Included





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OVERVIEW

Additel's new Multi-functional Process Calibrator series takes portability, functionality, and accuracy to a whole new level and packages it with an intuitive and easy to use color touchscreen display. The ADT226 is a powerful yet cost effective process calibrator, which has an ATEX certified intrinsically safe option - ADT226Ex allowing you to perform calibration work in the harshest of environments. We're confident these new tools will not only meet your calibration requirements but will make metrology simple for you!

Features

Easy-to-use Cellphone Like Interface

The ADT226 series brings an all new user interface to the world of process calibrators. With a menu driven interface and small size/weight, the ADT226 is the industry's smallest multifunctional process calibrator with an intrinsically safe version to boot (ADT226Ex).

It adopts advanced human hand engineering design for the most convenient field handheld process calibrator available. The ADT226 has been developed with a powerful embedded operating system which solves common problems of other designs including slow response, cumbersome key operation, high power consumption and overall slow processing.



Accuracy



Additel's new and improved ADT226 series provides much improved accuracies including an electrical accuracy of 0.015% RD + 0.005% FS, high-static differential pressure mode accuracy to 0.002% FS and across the board improvements in temperature measurement accuracies.

Thermocouple Measurement Performance

The ADT226 series delivers highly improved thermocouple measurement capabilities by vastly improving the cold junction compensation(CJC) specifications and a much improved stabilization time.



Addite

Features

Metrology Made Simple

Time Saving Features



In addition to all the great features mentioned above, the ADT226 series is loaded with time saving features like our builtin pressure and temperature converter, thermal calculator, wiring diagram quide for assisting with electrical connections, a built-in diagnostic center including intelligent alarm messaging and a real time error report and comprehensive selftesting to help our customers get the very most out of their investment in Additel calibration tools.

Portable and Robust



The demands of remote calibration work can be challenging. The ADT226 series is lightweight and highly portable and utilizes an advanced color LCD screen to help ensure you can easily see, even in the (Ex) intrinsically safe versions.

All models in the ADT226 family have been designed with ruggedness and dependability in mind and meet IP67 standards with a 1-meter drop test, 4G vibration, xenon exposure and 130g steel ball drop testing of the display.

Other environmental conditions have also been considered, such as temperature and humidity. To combat these external elements, Additel has designed a unique internal circuit design and process technology to allow for the utmost confidence in your critical calibration and measurement work.

Intrinsically Safe Option

The Additel 226Ex series calibrators have passed the most stringent testing by certified organizations to acquire intrinsically safe certificates, ATEX, IECEX, CSA and UKCA. The explosion-proof grade (Ex ia IIC T4 Ga), can be widely used in potentially explosive environments, such as oil and gas platforms, oil refineries, chemical and petrochemical plants, pharmaceutical industries, energy and gas processing industries.

Each intrinsically safe calibrator has an advanced transflective color LCD display which has enhanced visibility when viewed in direct sunlight. No matter where youer work takes you, these calibrators are up to the task.



Voltage Meter (RMS)



The Additel 226 non-Ex version is equipped with "true effective value" RMS measuring function, which can measure the RMS of various waveforms with no need to consider distortion or waveform parameters and other errors caused by various waveforms

Targeted application features

The onboard applications provide a useful selection of features including high static differential pressure mode, pressure leak test, safety valve test, analog transmitter calibration, unit converter, thermal calculator, and snapshots to name a few.

High static differential pressure mode uses two sensors, unique calculation technology to achieve a differential pressure measurement to 0.002% FS at high static pressures. The leak test will automatically calculate the pressure drop to determine a leak condition. The safety valve test is a specialized task which captures the exact pressure release point by taking 10 readings per second during a valve crack test.

You will find this and much more as we continue to develop new apps at Additel.



Connectivity & Battery



Users can remotely connect mobile devices to the ADT226 via Bluetooth and Wi-Fi communication with an unobstructed distance up 20 meters. The included USB type-C comm port and cable provide a hard wired communication option as well as charging for the removeable Li-ion battery, which provides up to 35 hours of run time.

Rev # 20210701

SPECIFICATIONS





					men	ology made offipie	
Source Accuracy							
0		ADT226		ADT226Ex			
Specifications	Range	Resolution	Accuracy	Range	Resolution	Accuracy	
Voltage DC	0 to 15 V	0.1 mV	0.015%RDG+0.005%FS	0 to 10.5 V	0.1 mV	0.02%RDG+0.005%FS	
Current DC	0 to 25 mA	0.1 uA	0.015%RDG+0.005%FS	0 to 25 mA	0.1 uA	0.02%RDG+0.005%FS	
Resistance	0 to 400 Ω	1 mΩ	0.015%RDG+0.005%FS	0 to 400 Ω	1 mΩ	0.02%RDG+0.005%FS	
Hesistance	0 to 4000 Ω	10 mΩ	0.015%RDG+0.005%FS	0 to 4000 Ω	10 mΩ	0.02%RDG+0.005%FS	
Frequency	0.01 to 50000.0 Hz	Auto range, 6-digit	0.005%RDG+5 on last digit	0.01 to 50000.0 Hz	Auto range, 6-digit	0.005%RDG+5 on last digit	
Voltage mV (TC)	-10 to 75 mV	0.1 uV	0.015%RDG + 0.005%FS	-10 to 75 mV	0.1 uV	0.02%RDG+0.005%FS	
Pulse	0 to 9999999	1	N/A	0 to 9999999	1	N/A	
	Optional rising edge a	nd falling edge	, minimum threshold voltage: 2	2.5V			
Loop power	24 V	N/A	±1 V	20 V	N/A	± 10%	

(max 25mA)	24 V IN/A		±ΙV		20 V	IN/A	± 10%	
Measurement Accuracy Cont.								
Specifications	ADT226				ADT226Ex			
Specifications	Range	Resolution	Accuracy		Range	Resolution	Accuracy	
	-300 to 300 mV	1 μV	0.015% RDG + 0.0	05% FS	-300 to 300 mV	1µV	0.02% RDG + 0.005% FS	
Voltage DC	-30 to 30 V	0.1 mV	0.015%RDG+0.00	5%FS	-30 to 30 V	0.1 mV	0.02% RDG + 0.005% FS	
voltage DO	Temperature Coefficie		•	nd 30°C t	to 50°C)			
	Impedance: -300 mV to 3	o 300 mV = > 0 V = >1 MΩ	100 ΜΩ					
	-3 to 3 V	0.1 mV	0.05% RDG + 0.0	1% FS				
	-30 to 30 V	1 mV	0.05% RDG + 0.0	1% FS				
	-300 to 300 V	10 mV	0.05% RDG + 0.0	1% FS				
DC High Voltage	Temperature coefficient: ±0.0025% FS/°C (-10°C to 10°C and 30°C to 50°C)				N/A			
	The highest input voltage is 300 V, IEC61010 300V CATII							
	Commong mode rejection: >100 dB (at 50 or 60 Hz)							
	Impedance: > 4 MΩ, DC coupling							
	3V (40 to 500 Hz)	0.1 mV	0.5% RDG + 0.05	5% FS				
	30V (40 to 500 Hz)	1 mV	0.5% RDG + 0.05	5% FS				
	300V (40 to 500 Hz)	10 mV	0.5% RDG + 0.05	5% FS				
AC High Voltage	Temperature coefficie		RD + 0.0025% FS) 10°C and 30°C to 50°	N/A				
	The highest input voltage is 300 V, IEC61010 300V CATII							
	9% to 100% of range is suitable for the above accuracy indicators			dicators				
	Impedance: >4 MΩ, <100pF, AC coupling						_	
Current DC	-30 to 30 mA	0.1 μΑ	0.015% RDG + 0.00	05% FS	-30 to 30 mA	0.1 μΑ	0.02% RDG + 0.005% FS	
Ourient BO	Temperature Coefficie	nt: ±5ppm FS/	°C (-10°C to 10°C an	d 30°C to	50°C), Impedance	e: < 40 Ω	_	
	0 to 400 Ω	1 mΩ	0.015% RDG + 0.00	05% FS	0 to 400 Ω	1 mΩ	0.02% RDG + 0.005% FS	
	0 to 4000 Ω	10 mΩ	0.015% RDG + 0.00	05% FS	0 to 4000 Ω	10 mΩ	0.02% RDG + 0.005% FS	
Resistance (4-Wire)	Temperature coeficien	t: ±5 ppm FS/	°C (-10°C to 10°C and	d 30°C to	50°C)			
	2-Wire + 50 mΩ, 3-wire+ 10 mΩ							
	Excitation current: 0.2	5 mA						

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SPECIFICATIONS

Metrology Made Simple

Measurement Accuracy Cont.								
Casifications		ADT226		ADT226Ex				
Specifications	Range	Resolution	Accuracy	Range	Resolution	Accuracy		
	-10 to 75 mV	0.1 μV	0.015% RDG + 0.005% FS	-10 to 75 mV	0.1 μV	0.02% RDG + 0.005% FS		
Voltage mV (TC)	Temperature Coefficient: ±5ppm FS/°C (-10°C to 10°C and 30°C to 50°C)							
	Impedance: >100 M Ω							
	0.01 to 50000 Hz	Auto range, 6-digit	0.005% RDG + 5 on last digit	0.01 to 50000 Hz	Auto range, 6-digit	0.005% RDG + 5 on last digit		
Frequency	Minimum threshold voltage: 2.5 V							
	Supported units: Hz, kHz, MHz, CPM, CPH, s, ms, µs							
Pulse	0 to 9999999	1	N/A	0 to 9999999	1	N/A		
Pulse	Optional rising edge and falling edge, minimum threshold voltage: 2.5V							
Switch	Support for dry or wet switch, voltage range of 3 to 30 V, response speed of < 10 ms							

Genreal Specification

Specifications ADT226E ADT226EX Operating Temperature -10°C to 50°C -10°C to 50°C Specification guarantee temperature range temperature range 10°C to 30°C 10°C to 30°C Storage Temperature -20°C to 70°C -20°C to 70°C Humidity <95%, non-condensing <95%, non-condensing Power supply 660mAh, 23.8Wh lithium battery, charging time 4~6 68 hours, battery pack can be charged independently! User interface Icon drive menus 30V max Ports protection voltage 50V max 30V max Maximum attitude 5.0 inch 480 x 800 mm TFT LCD capacitive screen 4.4 inch 640 x 480 mm color display capacitive screen Buropean Compliance C C Electrical Connection Ø4mm sockets and flat minipack thermocouple socket Size 6.97* x 4.13* x 2.04* (17* mm x 105 mm x 52 mm) Weight 1.66 lb (0.7 kg) 1.65 lb (0.75Kg) Battery Charge 110V/220V external power adapter included. Battery can be battery (included) Typically 35 hours Eternal pressure module Dual channel aerial plug, car-cut two digital pressure modules Typically 35 hours External pressu	defined opecinication					
Specification guaranteed temperature range 10°C to 30°C	Specifications	ADT226	ADT226Ex			
Storage Temperature Storage Temperature -20°C to 70°C -20°C to	Operating Temperature	-10°C to 50°C	-10°C to 50°C			
Humidity < 95%, non-condensing < 95%, non-condensing < 95%, non-condensing < 9600mAh, 23.8Wh lithium battery, charging time 4-6 hours, battery pack can be charged independently loor drive menus loor drive menus with navigation buttons 30V max Ports protection voltage 50V max 30V max Display 5.0 inch 480 x 800 mm TFT LCD capacitive screen 4.4 inch 640 x 480 mm color display capacitive screen Maximum altitude CE Mark European Compliance CE Mark Electrical Connection Ø4mm sockets and flat mini-jack thermocouple socket size 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight 1.6 lb (0.7 kg) 1.65 lb (0.75Kg) Battery Life Typically 16 hours Fechargeable Li-ion battery (included) Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate Sarometri Accuracy (Built-in barometer) IP protection level Isolate USB-TYPEC (slave), Bluetooth BLE		10°C to 30°C	10°C to 30°C			
Power supply User interface Icon drive menus with navigation buttons Ports protection voltage SoV max 30V max 30V max Leve Maximum altitude European Compliance Electrical Connection C4mm sockets and flat mini-jack thermocouple socket Size 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight I.6 lb (0.7 kg) I.65 lb (0.75Kg) Battery Rechargeable Li-ion battery (included) Battery Life Typically 16 hours Typically 35 hours Battery Charge I10V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs Compliant In great and serial plug, can connect two digital pressure modules Barometric Accuracy (Bulli-in barometer) IP protection level IP protection level Isolate USB-TYPEC (slave), Bluetooth BLE	Storage Temperature	-20°C to 70°C	-20°C to 70°C			
Hours, battery pack can be charged independently User interface Icon drive menus Icon driven menus with navigation buttons Ports protection voltage 50V max 30V max 30V max 30V max 30V max 4.4 inch 640 x 480 mm color display capacitive screen Maximum altitude European Compliance Electrical Connection Ø4mm sockets and flat mini-jack thermocouple socket Size 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight 1.6 lb (0.7 kg) 1.65 lb (0.75Kg) Battery Rechargeable Li-i-on battery (included) Battery Life Typically 16 hours Typically 16 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Display rate Barometric Accuracy (Built-in barometer) IP protection level Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Humidity	<95%, non-condensing	<95%, non-condensing			
Ports protection voltage 50V max 30V max Display 5.0 inch 480 x 800 mm TFT LCD capacitive screen 4.4 inch 640 x 480 mm color display capacitive screen Maximum altitude 3000 meters European Compliance CE Mark Electrical Connection Ø4mm sockets and flat mini-jack thermocouple socket Size 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight 1.6 lb (0.7 kg) 1.65 lb (0.75Kg) Battery Rechargeable Li-ion battery (included) Battery Life Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Power supply	6600mAh, 23.8Wh lithium battery, charging time 4~6 hours, battery pack can be charged independently				
Display 5.0 inch 480 x 800 mm TFT LCD capacitive screen 4.4 inch 640 x 480 mm color display capacitive screen Maximum altitude 3000 meters European Compliance CE Mark Electrical Connection Ø4mm sockets and flat mini-jack thermocouple socket Size 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight 1.6 lb (0.7 kg) 1.65 lb (0.75Kg) Battery Ife Typically 16 hours Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	User interface	Icon drive menus	Icon driven menus with navigation buttons			
Maximum altitude 3000 meters European Compliance CE Mark Electrical Connection Ø4mm sockets and flat mini-jack thermocouple socket Size 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight 1.6 lb (0.7 kg) 1.65 lb (0.75 kg) Battery Rechargeable Li-ion battery (included) Battery Life Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) 50Pa IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Ports protection voltage	50V max	30V max			
Electrical Connection	Display	5.0 inch 480 x 800 mm TFT LCD capacitive screen	4.4 inch 640 x 480 mm color display capacitive screen			
Electrical Connection Ø4mm sockets and flat mini-jack thermocouple socket 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight 1.6 lb (0.7 kg) Battery Rechargeable Li-ion battery (included) Battery Life Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate Barometric Accuracy (Built-in barometer) (Built-in barometer) IP protection level IP protection level Isolate USB-TYPEC (slave), Bluetooth BLE	Maximum altitude	3000 meters				
Size 6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) Weight 1.6 lb (0.7 kg) 1.65 lb (0.75Kg) Battery Rechargeable Li-ion battery (included) Battery Life Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) 50Pa IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	European Compliance	CE Mark				
Weight 1.6 lb (0.7 kg) 1.65 lb (0.75Kg) Battery Rechargeable Li-ion battery (included) Battery Life Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) 50Pa IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Electrical Connection	Ø4mm sockets and flat mini-jack thermocouple socket				
Battery Life Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Size	6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm)				
Battery Life Typically 16 hours Typically 35 hours Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Weight	1.6 lb (0.7 kg)	1.65 lb (0.75Kg)			
Battery Charge 110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours. External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Battery	Rechargeable Li-ion battery (included)				
External pressure module Dual channel aerial plug, can connect two digital pressure modules Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Battery Life	Typically 16 hours	Typically 35 hours			
Warm-up time Full specification performance is achieved after a 10 minute warm-up time. ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Battery Charge	110V/220V external power adapter included. Battery can be charged external to the unit. Typically charge time is 6-8 hours.				
ROHS compliant Rohs II Directive 2011/65/EU, EN50581:2012 Display rate 3 readings per second Barometric Accuracy (Built-in barometer) IP protection level IP67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	External pressure module	Dual channel aerial plug, can connect two digital pressure modules				
Display rate 3 readings per second Barometric Accuracy (Built-in barometer) 50Pa IP protection level 1P67, 1 meter drop test Communication Isolate USB-TYPEC (slave), Bluetooth BLE	Warm-up time	Full specification performance is achieved after a 10 minute warm-up time.				
Barometric Accuracy (Built-in barometer) IP protection level Communication Isolate USB-TYPEC (slave), Bluetooth BLE	ROHS compliant	Rohs II Directive 2011/65/EU, EN50581:2012				
(Built-in barometer) IP protection level Communication IP 67, 1 meter drop test Isolate USB-TYPEC (slave), Bluetooth BLE	Display rate	3 readings per second				
Communication Isolate USB-TYPEC (slave), Bluetooth BLE		50Pa				
	IP protection level	IP67, 1 meter drop test				
Calibration ISO 17025 accredited calibration with data	Communication	Isolate USB-TYPEC (slave), Bluetooth BLE				
	Calibration	ISO 17025 accredited calibration with data				

Pressure Specification

Pressure Specification(ADT226 & ADT226Ex)

The 161 series Intelligent Digital Pressure Modules are available for gauge, vacuum and absolute pressure from -15 psi to 60,000 psi (-1 bar to 4200 bar). Accuracy from 0.02% FS includes operation over 14°F to 122°F (-10°C to 50°C), one year stability and calibration uncertainty. For detailed specifications, please refer to the pressure modules datasheet.



SPECIFICATIONS

Temperature Specification

			ADT226		ADT226Ex				
			ADIZZO	Accuracy (°C)			ADIZZOLA	Accuracy (°C)	
уре	Standard	Temperatu	re Range (°C)	Measure / Source	Standard	Temperature Range (°C)		Measure / Source	
			-50~0	0.96			-50~100	0.96	
s	IEC 584	-50 to 1768	0~100	0.69	IEC 584	-50 to 1768	100~1000	0.69	
•	120 00 1	00 10 1700	100~1768	0.64	120 00 1	00 10 1700	1000~1768	0.73	
			-50~0	1.02			-50~0	1.03	
R	IEC 584	-50 to 1768	0~200	0.71	IEC 584	-50 to 1768	0~200	0.71	
	120 004	00 10 1700	200~1768	0.56	120 004	-30 to 1700	200~1768	0.65	
			200~300	1.89			200~300	1.90	
			300~500	1.25	-		300~500	1.26	
В	IEC 584	0 to 1820	500~800	0.78	IEC 584	0 to 1820	500~800	0.79	
			800~1820	0.55	\dashv		800~1820	0.79	
			-250 to -200	0.97			-250 to -200	1.04	
			-200 to -100	0.30	-		-200 to -200	0.32	
K	IEC 584	-270 to 1372	-100 to 600	0.30	IEC 584	-270 to 1372	-100 to 600	0.32	
			600 to 1372	0.16	-		600 to 1372	0.43	
N	IEC 504	-270 to 1300	-250 to -200	1.50 0.44	IEC 584	-270 to 1300	-250 to -200	1.58 0.46	
IN	N IEC 584		-200 to -100		IEC 364		-200 to -100 -100 to 1300		
			-100 to 1300 -250~-200	0.30 0.54			-250~-200	0.37 0.59	
			-200~-100	0.20			-200~-200 -200~-100	0.39	
E IEC 584	-270 to 1000			IEC 584	-270 to 1000				
		-100~700	0.15 0.20	_		-100~700	0.18		
			700~1000		IEC 584	-210~1200	700~1000	0.25	
J	IEC E04	010 1000	-210~-100	0.26			-210~-100	0.28	
J	IEC 584	-210~1200	-100~700	0.15			-100~700	0.19	
			700~1200	0.25		070 to 400	700~1200	0.31	
_	150 504	-270 to 400	-250~-100	0.74	150 504		-250~-100	0.79	
Т	IEC 584		-100~0	0.15	IEC 584	-270 to 400	-100~0	0.16	
			0~400	0.11			0~400	0.13	
_	40714 5000	0. 0045	0 to 1000	0.35	40714 5000	0.1.0045	0 to 1000	0.40	
С	ASTM E988	0 to 2315	1000 to 1800	0.62	ASTM E988	0 to 2315	1000 to 1800	0.73	
			1800 to 2315	1.02			1800 to 2315	1.22	
			0~100	0.39			0~100	0.39	
D	ASTM E988	3 0~2315	100~1200	0.37	ASTM E988	0~2315	100~1200	0.43	
			1200~2000	0.65			1200~2000	0.77	
			2000~2315	1.03			2000~2315	1.24	
			50~100	1.12	4		50~100	1.12	
G ASTM E175	A OTA - 1-5		100~200	0.72			100~200	0.72	
	ASIM E1751	0 to 2315	200~400	0.45	ASTM E1751	0 to 2315	200~400	0.46	
			400~1500	0.37	4		400~1500	0.43	
			1500~2315	0.77			1500~2315	0.92	
			-200 to -100	0.15			-200 to -100	0.16	
L	DIN43710	-200 to 900	-100 to 400	0.13	DIN43710	-200 to 900	-100 to 400	0.14	
			400 to 900	0.17			400 to 900	0.20	
U	DIN43710	-200 to 600	-200 to 0 0 to 600	0.28 0.13	DIN43710	-200 to 600	-200 to 0 0 to 600	0.29 0.15	

Note: Internal CJC is $\pm 0.15^{\circ}$ C (-10°C to 50°C ambient temperature) Accuracy with external cold junction only, for internal cold junction add 0.15 $^{\circ}$ C (k=2)

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SPECIFICATIONS

	Accuracy (°C)						
leasure and Simulate	Te	emperature Range (°C)	ADT226	ADT226Ex			
		-200~200	0.62	0.64			
PT10(385)	-200 to 850	200~600	0.77	0.82			
		600~850	0.88	0.95			
		-200~200	0.29	0.31			
PT25(385)	-200 to 850	200~600	0.40	0.44			
		600~850	0.47	0.54			
		-200~200	0.18	0.20			
PT50(3916)	-200 to 850	200~600	0.27	0.32			
		600~850	0.34	0.40			
PT100(385)		-200~200	0.13	0.15			
PT100(391) PT100(3916)	-200 to 850	200~600	0.21	0.26			
PT100(3910)		600~850	0.27	0.34			
		-200~200	0.34	0.12			
DT000(20E)	-200 to 850	200~300	0.37	0.40			
PT200(385)		300~600	0.46	0.51			
		600~850	0.54	0.61			
		-200~0	0.17	0.06			
DT400(20E)	-200 to 850	0~200	0.21	0.23			
PT400(385)		200~600	0.30	0.35			
		600~850	0.37	0.44			
		-200~200	0.18	0.20			
PT500(385)	-200 to 850	200~600	0.27	0.32			
		600~850	0.34	0.40			
		-200~200	0.13	0.15			
PT1000(385)	-200 to 850	200~600	0.21	0.26			
		600~850	0.27	0.34			
Cu10(427)	-200~260	-200~260	0.59	0.61			
Cu50(428)	200~260	-200~260	0.15	0.17			
Cu100(428)	-200~260	-200~260	0.10	0.12			
Ni100(617)	-60~180	-60~0	0.06	0.07			
Ni100(618)	-00~180	0~180	0.06	0.08			
Ni120(672)	80~260	-80~260	0.06	0.07			
Ni1000	-50~150	-50~150	0.08	0.09			

^{*}Note: Ambient temperature of $20^{\circ}C \pm 10^{\circ}C$.

⁴⁻wire accuracy. For 2-wire add 50 m Ω , for 3-wire add 10 m Ω

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Metrology Made Simple

ORDERING INFORMATION

Model Number

ADT226

ADT226 ADT226Ex: Intrisically Safe

Accessories (included)						
Model number	Description	QTY				
9811-X	110V/220V external power adapter	1 pc				
9704	Chargeable Li-ion battery	1 pc				
9023	Test leads	1 set (6 pcs)				
9027	Right angle test leads kit	1 set (2 pcs)				
9060	Pressure module connection cable (only for 226)	1 pc				
9040	Hanging strap with magnet	1 pc				
	Manual	1 pc				
	ISO 17025 accredited calibration certificate	1 pc				

Optional Accessories				
Model number	Description			
ADT161Ex - XXX	Intelligent Digital Pressure Modules			
9060	Pressure module connection cable			
9081	U type TC MINI-TC cable			
9052	USB Cable (TYPE - A to C)			
9080	Cable kit (including TC plug, compensation cable, S,R,B,K,J,T,E,N)			
9704	Spare chargeable Li-ion battery for multifunction calibrator			
9811	110 V/220 V external power adapter			
9906A	Hard carrying case for handheld instrument with accessories			
9918-SC	Soft carrying case, with space for handheld instrument, test leads, and accessories			
9530-BASIC	Additel/Acal Task management software for multifunction calibrator			
9530-NET	Additel/Acal Automated calibration software with asset management, network version, Includes server installation and 1 user license			

^{*} Additel/Land software can be downloaded for free at www.additel.com

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