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 Mesurement 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





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. 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. 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 deliver highly improved thermocouple measurement capabilities by vastly improving the cold Jucntion compensation (CJC) specifications and a much improved stabalization time.



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Features

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 guide 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 different errors caused by different 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.

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Electrical Specification



Source Accuracy

Source Accuracy								
Specifications	ADT226			ADT226Ex				
	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		
nesistance	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		
	0 to 9999999	1	N/A	0 to 9999999	1	N/A		
Pulse	Optional rising edge and falling edge, minimum threshold voltage: 2.5V							
Loop power (max 25mA)	24 V	N/A	±1 V	20 V	N/A	± 10%		

Measurement Accuracy Cont.

		ADT226Ex					
Range	Resolution	Accuracy	Range	Resolution	Accuracy		
-300 to 300 mV	1 µV	0.015% RDG + 0.005% FS	-300 to 300 mV	1µV	0.02% RDG + 0.005% FS		
-30 to 30 V	0.1 mV	0.015%RDG+0.005%FS	-30 to 30 V	0.1 mV	0.02% RDG + 0.005% FS		
Temperature Coefficier	nt: ±5 ppm FS	/°C (-10°C to 10°C and 30°C t	o 50°C)				
		100 MΩ					
-3 to 3 V	0.1 mV	0.05% RDG + 0.01% FS					
-30 to 30 V	1 mV	0.05% RDG + 0.01% FS					
-300 to 300 V	10 mV	0.05% RDG + 0.01% FS					
		FS/°C	N/A				
The highest input volta	EC61010 300V CATII						
Commong mode reject	(at 50 or 60 Hz)						
Impedance: > 4 M Ω , D	C coupling						
3V (40 to 500 Hz)	0.1 mV	0.5% RDG + 0.05% FS					
30V (40 to 500 Hz)	1 mV	0.5% RDG + 0.05% FS					
300V (40 to 500 Hz)	10 mV	0.5% RDG + 0.05% FS					
Temperature coefficien			N/A				
The highest input volta	EC61010 300V CATII						
9% to 100% of range is	he above accuracy indicators						
Impedance: >4 MΩ, <1	00pF, AC cou	pling					
-30 to 30 mA	0.1 µA	0.015% RDG + 0.005% FS	-30 to 30 mA	0.1 µA	0.02% RDG + 0.005% FS		
Temperature Coefficier	°C (-10°C to 10°C and 30°C to	50°C), Impedance: <	: 40 Ω				
0 to 400 Ω	1 mΩ	0.015% RDG + 0.005% FS	0 to 400 Ω	1 mΩ	0.02% RDG + 0.005% FS		
0 to 4000 Ω	10 mΩ	0.015% RDG + 0.005% FS	0 to 4000 Ω	10 mΩ	0.02% RDG + 0.005% FS		
Temperature coeficient: ±5 ppm FS/°C (-10°C to 10°C and 30°C to 50°C)							
2-Wire + 50 m Ω , 3-wire	+ 10 mΩ						
Excitation current: 0.25	mA						
	-300 to 300 mV -30 to 30 V Temperature Coefficier Impedance: -300 mV to -30 to 30 V -3 to 3 V -30 to 30 V -300 to 300 V Temperature coefficier (-10°C to 10°C and 30° The highest input volta Commong mode reject Impedance: > 4 MΩ, DU 30V (40 to 500 Hz) 300V (40 to 500 Hz) 300V (40 to 500 Hz) 300V (40 to 500 Hz) 300V (40 to 500 Hz) 1 mperature coefficier The highest input volta 9% to 100% of range is Impedance: >4 MΩ, <1 -30 to 30 mA Temperature Coefficier 0 to 4000 Ω 1 temperature coeficient 2 Wire + 50 mΩ, 3-wire	Range Resolution -300 to 300 mV 1 μV -30 to 30 V 0.1 mV Temperature Coefficient: ±5 ppm FS Impedance: -300 mV => -30 V to 300 mV => -30 V to 300 V 0.1 mV -30 to 30 V 0.1 mV -30 to 30 V 0.1 mV -30 to 30 V 1 mV -30 to 30 V 10 mV -30 to 30 V 10 mV -300 to 300 V 10 mV -300 to 300 V 10 mV -300 to 300 V 10 mV Temperature coefficient: ±0.0025% f 10 mV Commong mode rejection v 100 mV 30V (40 to 500 Hz) 0.1 mV 30V (40 to 500 Hz) 10 mV 300V (40 to 500 Hz) 10 mV 9% to 100% of range is sutable for t 1 1mpedance: >4 MΩ, 1 μA 9% to 100% of range is sutable for t 1 1mpedance: >4 MΩ, 1 μA 10 to 400 Ω 1 mΩ <	-300 to 300 mV 1 μ V 0.015% RDG + 0.005% FS -30 to 30 V 0.1 mV 0.015% RDG + 0.005% FS Temperature Coefficient: ± 5 ppm FS/C (-10°C to 10°C and 30°C ft) Impedance: -300 mV $= > 1$ MΩ 0.05% RDG + 0.01% FS -3 to 3 V 0.1 mV 0.05% RDG + 0.01% FS -3 to 3 V 0.1 mV 0.05% RDG + 0.01% FS -30 to 30 V 1 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS Temperature coefficient: $\pm 0.0025\%$ FS/*C 10 mV 0.5% RDG + 0.05% FS 30V (40 to 500 Hz) 0.1 mV 0.5% RDG + 0.05% FS 30V (40 to 500 Hz) 10 mV 0.5% RDG + 0.05% FS 300V (40 to 500 Hz) 10 mV 0.5% RDG + 0.05% FS 300V (40 to 500 Hz) 10 mV 0.5% RDG + 0.05% FS 300V (40 to 500 Hz) 10 mV 0.5% RDG + 0.05% FS 10 mD 0.5% RDG + 0.005% FS 3000 (40 to 500 Hz) </td <td>Range Resolution Accuracy Range -300 to 300 mV 1 μV 0.015% RDG + 0.005% FS -300 to 300 mV -30 to 30 V 0.1 mV 0.015% RDG + 0.005% FS -30 to 30 V Temperature Coefficient: ±5 ppm FS/*C (-10°C to 10°C and 30°C C) -30 to 30 V 0.1 mV 0.05% RDG + 0.01% FS -30 to 30 V 0.1 mV 0.05% RDG + 0.01% FS -30 to 30 V 1 mV 0.05% RDG + 0.01% FS -30 to 30 V 10 mV 0.05% RDG + 0.01% FS -30 to 300 V 10 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS -30 to 300 V 10 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS -30 to 30 M 10 mV 0.05% RDG + 0.05% FS -300 to 500 Hz 0.1 mV 0.5% RDG + 0.05% FS -30 to 30 M -50 to 50°C) 1mpedance: > 4 MQ, $- (10°C to 10°C cand 30°C to 50°C) -10°C to 10°C cand 30°C to 50°C) -11°C to 10°C cand 30°C to 50°C) 300V (40 to 500 Hz) 10 mV 0.5% RDG + 0.005% FS -20 to 30 mA -30 to 30 mA 9% to 100% of range : -10°C cand 30°C to 50°C) -$</td> <td>RangeResolutionAccuracyRangeResolution-300 to 300 mV1 μV0.015% RDG + 0.005% FS-300 to 300 mV1 μV-30 to 30 V0.1 mV0.015% RDG + 0.005% FS-30 to 30 V0.1 mV-30 to 30 V0.1 mV0.015% RDG + 0.01% CS-30 to 30 V0.1 mVTemperature Coefficient: ±5 pm FSV: 0 M2 -30 to 30 V0.1 mV0.05% RDG + 0.01% FSSet Set Set Set Set Set Set Set Set Set</td>	Range Resolution Accuracy Range -300 to 300 mV 1 μ V 0.015% RDG + 0.005% FS -300 to 300 mV -30 to 30 V 0.1 mV 0.015% RDG + 0.005% FS -30 to 30 V Temperature Coefficient: ±5 ppm FS/*C (-10°C to 10°C and 30°C C) -30 to 30 V 0.1 mV 0.05% RDG + 0.01% FS -30 to 30 V 0.1 mV 0.05% RDG + 0.01% FS -30 to 30 V 1 mV 0.05% RDG + 0.01% FS -30 to 30 V 10 mV 0.05% RDG + 0.01% FS -30 to 300 V 10 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS -30 to 300 V 10 mV 0.05% RDG + 0.01% FS -300 to 300 V 10 mV 0.05% RDG + 0.01% FS -30 to 30 M 10 mV 0.05% RDG + 0.05% FS -300 to 500 Hz 0.1 mV 0.5% RDG + 0.05% FS -30 to 30 M -50 to 50°C) 1mpedance: > 4 MQ, $- (10°C to 10°C cand 30°C to 50°C) -10°C to 10°C cand 30°C to 50°C) -11°C to 10°C cand 30°C to 50°C) 300V (40 to 500 Hz) 10 mV 0.5% RDG + 0.005% FS -20 to 30 mA -30 to 30 mA 9% to 100% of range : -10°C cand 30°C to 50°C) -$	RangeResolutionAccuracyRangeResolution-300 to 300 mV1 μV0.015% RDG + 0.005% FS-300 to 300 mV1 μV-30 to 30 V0.1 mV0.015% RDG + 0.005% FS-30 to 30 V0.1 mV-30 to 30 V0.1 mV0.015% RDG + 0.01% CS-30 to 30 V0.1 mVTemperature Coefficient: ±5 pm FSV: 0 M2 -30 to 30 V0.1 mV0.05% RDG + 0.01% FSSet Set Set Set Set Set Set Set Set Set		

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Phone: 714-998-6899 Email: sales@additel.com Rev # 20210628 **Corporate Headquarters** 2900 Saturn St #B Brea, CA 92821, USA Salt Lake City Office 1364 West State Rd. Suite 101 Pleasant Grove, UT 84062, USA



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Measurement Accuracy Cont.								
Specifications	ADT226				ADT226Ex			
opechications	Range	Resolution	Accuracy		Range	Resolution	Accuracy	
	-10 to 75 mV	0.1 µV	0.015% RDG + 0.005%	6 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 MΩ							
	0.01 to 50000 Hz Auto range, 6-digit 0.005% RDG + 5 on la digit			ast	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, k	Hz, MHz, CPM	Μ, CPH, s, ms, μs					
	0 to 9999999	1	N/A		0 to 9999999	1	N/A	
Pulse	Optional rising edge a	nd falling edge	e, minimum threshold vo	Itage:	2.5V	1		
Switch	Support for dry or wet	switch, voltag	e range of 3 to 30 V, res	ponse	speed of < 10 ms			
Genreal Specification							,	
Specifications		ADT226				ADT226Ex		
Operating Temperature		-10°C to 50°C	0		-10°C to 50°C			
Specification guaranteed 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	6600mAh, 23.8Wh lithium battery, charging time 4~6 hours, battery pack can be charged independently			4000mAh 14.4Wh Explosion-proof lithium battery packcharging time 6~8 hours, battery pack can be charged independently				
User interface	Icon drive menus				Icon driven r	nenus with na	vigation buttons	
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			play capacitive screen				
Maximum altitude	3000 meters							
European Compliance				CEN	Mark			
Electrical Connection			Ø4mm sockets and f	at min	i-jack thermocouple s	ocket		
Size			6.97" x 4.13" x 2.04	" (177	7 mm x 105 mm x 52 i	mm)		
Weight		1.6 lb (0.7	ˈkɡ)		1.65 lb (0.75Kg)			
Battery			¥	e Li-io	n battery (included)			
Battery Life		Typically 16		Typically 35 hours				
Battery Charge	110V/220V extern	al power adap	oter included. Battery ca	n be c	harged external to the	e unit. Typicall	y charge time is 6-8 hours.	
External pressure module	e 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.					e.		
ROHS compliant	Rohs II Directive 2011/65/EU, EN50581:2012							
Display rate Environmental parameter	3 readings per second							
measurement	Built-in barometer sensor (user-calibrated)							
IP protection level	IP67, 1 meter drop test							
Communication	Isolate USB-TYPEC (slave), Bluetooth BLE							
Calibration	Calibration ISO 17025 ac				d calibration with data	L		
Prossura Specificatio								

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.

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Temperature Specification

Thermocouple Measurement and Source Accuracy								
			ADT226				ADT226Ex	
Туре	Standard	Temperature Range (°C)		Accuracy (°C)	Standard	Temperatur	e Range (°C)	Accuracy (°C)
Type	otandaru	Temperate	ie nange (0)	Measure / Source	otandara	- international componential		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
			100~1768	0.64			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
			200~1768	0.56			200~1768	0.65
			200~300	1.89	_		200~300	1.90
в	IEC 584	0 to 1820	300~500	1.25	IEC 584	0 to 1820	300~500	1.26
			500~800	0.78	-		500~800	0.79
			800~1820	0.55			800~1820	0.57
			-250 to -200	0.97	-		-250 to -200	1.04
к	IEC 584	-270 to 1372	-200 to -100	0.30	IEC 584	-270 to 1372	-200 to -100	0.32
			-100 to 600	0.18	-		-100 to 600	0.21
			600 to 1372	0.35			600 to 1372	0.43
		070 1 4000	-250 to -200	1.50	150 504	-270 to 1300	-250 to -200	1.58
Ν	IEC 584	-270 to 1300	-200 to -100	0.44	IEC 584		-200 to -100	0.46
			-100 to 1300 -250~-200	0.30		-270 to 1000	-100 to 1300 -250~-200	0.37 0.59
E IEC 584		-270 to 1000	-200~-200	0.54	-		-200~-200	0.59
	IEC 584		-100~700	0.20	IEC 584		-200~-100	0.22
			700~1000	0.13	-		700~1000	0.18
		-210~1200	-210~-100	0.26		-210~1200	-210~-100	0.23
J	IEC 584		-100~700	0.20	IEC 584		-100~700	0.19
U	120 304		700~1200	0.25	120 304	-2101200	700~1200	0.31
		-270 to 400	-250~-100	0.74		-270 to 400	-250~-100	0.79
т	IEC 584		-100~0	0.15	IEC 584		-100~0	0.16
•	120 001		0~400	0.11	120 004		0~400	0.13
			0 to 1000	0.35			0 to 1000	0.40
с	ASTM E988	1 E988 0 to 2315	1000 to 1800	0.62	ASTM E988	0 to 2315	1000 to 1800	0.73
			1800 to 2315	1.02	ASTIVI E900 0 10 2315	1800 to 2315	1.22	
			0~100	0.39			0~100	0.39
_			100~1200	0.37	-		100~1200	0.43
D	ASTM E988	0~2315	1200~2000	0.65	ASTM E988	0~2315	1200~2000	0.77
			2000~2315	1.03			2000~2315	1.24
			50~100	1.12			50~100	1.12
			100~200	0.72	1		100~200	0.72
G	ASTM E1751	0 to 2315	200~400	0.45	ASTM E1751	0 to 2315	200~400	0.46
			400~1500	0.37			400~1500	0.43
			1500~2315	0.77	1		1500~2315	0.92
			-200 to -100	0.15	DIN43710		-200 to -100	0.16
L	DIN43710	-200 to 900	-100 to 400	0.13		-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	0.28	DIN43710	-200 to 600	-200 to 0	0.29
5	DINTOTIO	200 10 000	0 to 600	0.13	DIN-0710	200 10 000	0 to 600	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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RTD Measurement and Source Accuracy

	-	B	Accuracy (°C)			
Measure and Simulate	l I	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(3926)		600~850	0.27	0.34		
	-200 to 850	-200~200	0.34	0.12		
PT200(385)		200~300	0.37	0.40		
F1200(365)		300~600	0.46	0.51		
		600~850	0.54	0.61		
	-200 to 850	-200~0	0.17	0.06		
PT400(385)		0~200	0.21	0.23		
F1400(365)		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)		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°C±10°C.

4-wire accuracy. For 2-wire add 50 m\Omega, for 3-wire add 10 m\Omega

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ORDERING INFORMATION

Model Number



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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