Additel Catalog

Additel 227, 227Ex Documenting Multifunction Process Calibrator



- Sourcing, Simulating and Measuring Pressure. **Temperature and Electrical Signals**
- Built-in Full Hart Communicator (ADT227-HART)
- 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







OVERVIEW

Additel's new Multi-functional Documenting 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. This series includes an advanced documenting pressure calibrator (ADT227) and an advanced documentation process calibrator with a builtin HART communicator (ADT227-HART). Additionally, each calibrator has an ATEX certified intrinsically safe option (ADT227Ex) allowing you to perform calibration 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 ADT227 series brings an all new user interface to the world of process calibrators. With a menu driven interface and a small size/weight, the ADT227 is the industry's smallest advanced multifunctional process calibrator with an intrinsically safe version to boot (ADT227Ex). It adopts advanced human hand engineering design for the most convenient field handheld process calibrator available.

The ADT227 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 ADT227 series provides much improved accuracies including an electrical accuracy of 0.005% RD + 0.005% FS, high-static differential pressure mode accuracy to 0.002% FS and across the board improvements in temperature measurement accuracies.



Features

Metrology Made Simple

Thermocouple Measurement Performance

The ADT227 series delivers highly improved thermocouple measurement capabilities by vastly improving the cold junction compensation(CJC) specifications and a much improved stabilization time.



Portable and Robust



The demands of remote calibration work can be challenging. The ADT227 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 ADT227 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 227Ex 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 advance transflective color LCD display which has enhanced visibility when viewed in direct sunlight. No matter where your work takes you, these calibrators are up to the task.



Voltage Meter (RMS)



The Additel 227 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

Automated Tasks for Paperless Calibration Management

Additel 227 Series Calibrators come with a powerful documenting calibration task application which provides a turnkey solution for automation and paperless calibration management.

Tasks are easily created for temperature, pressure, flow and loop instruments. Up to 10,000 documented tasks for ADT227 and up to 1,000 documented tasks for ADT227Ex can be stored in the extensive on-board memory. Many tasks, when executed, are fully automated in data collection and performance validation, such as pass/fail and hysteresis calculations. All information can be integrated into Additel's ACal software for additional calibration management.



Full HART Communication (For ADT227-HART only)



The built-in full HART communicator will work with most HART transmitters . The ADT227-HART contains an extensive DD library to meet the needs of your smart transmitter. Our DD library is updated on a regular basis and at no additional cost. The ADT227Ex-HART is integrated with the HART communication functions, permitting users to monitor, control, and calibrate HART instrumentations. It's an ideal device for calibrating, maintaining, and troubleshooting HART instrumentations

Features



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Targeted application features



The onboard applications provide a useful selection of features including HART communicator, 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.

Data Logger (For ADT227 & ADT227-HART only)

The ADT227 calibrator can record pressure, temperature and electrical signals. Recorded values can be displayed numerically or graphically to identify trending. The ADT227 & ADT227-HART can store up to 500 results. each result can include up to 100,0000 recordings and each recording can record a maximum of 7 channel values. These results can easily be exported to Additel's application software. Each log session is easily configured at a set interval and provides a date and time stamp with each reading.



Connectivity & Battery



Users can remotely connect mobile devices to the ADT227 via Bluetooth 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.

Time Saving Features

In addition to all the great features mentioned above, the ADT227 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.



SPECIFICATIONS

Electrical Specification

Source Accura	Source Accuracy						
Specifications		ADT227	7	ADT227Ex			
Specifications	Range	Resolution	Accuracy	Range	Resolution	Accuracy	
	0 to 15 V	0.25 mV	0.005%RDG + 0.75 mV		0.2 mV	0.01%RDG + 0.5 mV	
Voltage DC	150 to 150 mV ^[1]	5 μV	0.015%RDG + 10 μV	0 to 10.5 V			
voitage DO	-1.5 to 1.5 V ^[1]	0.05 mV	0.015%RDG + 0.1 mV	0 10 10.5 V			
	-15 to 15 V ^[1]	0.5 mV	0.015%RDG + 1 mV				
Current DC	0 to 25 mA	0.5 μΑ	0.01%RDG + 1.25 μA	0 to 25 mA	0.5 μΑ	0.01%RDG + 1.25 μA	
Resistance	0 to 400 Ω	10 mΩ	0.005% RDG + 20 m Ω	0 to 400 Ω	10 mΩ	0.01%RDG + 20 mΩ	
nesistance	0 to 4000 Ω	100 mΩ	0.01%RDG + 200 mΩ	0 to 4000 Ω	100 mΩ	0.01%RDG + 200 mΩ	
Frequency	0.01 to 50000.0 Hz	Auto range, 6-digit	0.002%RDG+2 on last digit	0.01 to 50000.0 Hz	Auto range, 6-digit	0.002%RDG+2 on last digit	
	(0.1~ 50) Hz	0.001 Hz	0.002 Hz				
Frequency (Sine wave	(50 ~ 500) Hz	0.01 Hz	0.02 Hz	N/A			
& Triangular wave)[1]	(500 ~ 5000) Hz	0.1 Hz	0.02 Hz	N/A			
	(5000 ~ 50000) Hz	1Hz	2 Hz				



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Source Accuracy						
Specifications		ADT227		ADT227Ex		
Specifications	Range	Resolution	Accuracy	Range	Resolution	Accuracy
Voltage mV (TC)	-10 to 75 mV	1.5 µV	0.008%RDG + 3.0 μV	-10 to 75 mV	1.5 µV	0.01%RDG + 3.0 μV
Dulas	0 to 9999999	1	N/A	0 to 9999999	1	N/A
Pulse	Optional rising edge an	d falling edg	e, minimum threshold voltage	e: 2.5V		
Loop power (max 25mA)	24 V	N/A	±1 V	22 V	N/A	± 10%

Note 1: When the environment temperature is (-10 \sim +10) $^{\circ}$ C and (30 \sim 50) $^{\circ}$ C, the temperature coefficient is:

Voltage, current, thermocouple, thermal resistance output: ± 5 ppm FS/°C .

Note 2: Output features:

 \dot{v} Voltage output : 0~15 V/ ±150 mV /±1.5V / ± 15V, Maximum load current: 10 mA, (For Ex-version load current 5mA), load effect: 50 uV / mA;

Current output (0 ~ 25) mA: Maximum open circuit voltage: 24 V, driving capacity: 1 kQ / 20 mA, maximum external voltage: 50 V;

(For Ex-version, Maximum open circuit voltage: 15 V, impedance: 400Ω, driving capacity: 6 V / 20 mA, maximum external voltage: 30 V) Frequency output: square wave, 50% duty cycle, square wave amplitude (0~15) V adjustable, amplitude accuracy ± 0.2%FS,

maximum load current: 10mA (For Ex-version,1mA);

Supported units: Hz, kHz, MHz, CPM, CPH, s, ms, us;

Zero-crossing sine wave / triangular wave amplitude: $(0.1 \sim 30)$ Vp-p adjustable(only for Ex-version),

Amplitude accuracy 3 % Vp-p + 75 mV, supporting display valid value. Pulse output: optional rising edge and descending edge trigger mode;

Thermocouple output: maximum load current: 5mA, load effect: < 5 uV / mA;

Thermal resistance output: maximum excitation current: (0 \sim 400) Ω @2 mA, (400 \sim 4000) Ω @0.3 mA, support 1ms pulse excitation.

[1] Available per request

0			ADT227Ex				
Specifications	Range	Resolution	Accuracy	Range	Resolution	Accuracy	
	-300 to 300 mV	1 μV	0.005% RDG + 15 μV	-300 to 300 mV	1 µV	0.01% RDG + 15 μ\	
Voltage DC	-30 to 30 V	0.1 mV	0.005% RDG + 1.5 mV	-30 to 30 V	0.1 mV	0.01% RDG + 1.5 m	
				Temperature Coefficient: ±5ppm FS/°C (-20°C to 10°C and 30°C to 50°C)			
		$0 \text{ V} = >1 \text{ M}\Omega$	100 1012				
	-300 to 300 V	10 mV	0.05% RDG + 30 mV				
	Temperature coefficient (-10°C to 10°C and 30		FS/°C				
DC High Voltage	Maximum input voltage = 300 V, IEC61010 300V CATII				N/A		
	Commong mode rejec	tion: >100 dB	(at 50 or 60 Hz)				
	Impedance: > 4 MΩ, D	C coupling					
	300V (40 to 500 Hz)	10 mV	0.5% RDG + 150 mV				
AC High Voltage	Temperature coefficient (-10°C to 10°C and 30°C)		RD + 0.0025% FS) /°C				
//C riigii voltage	Maximum input voltage	e = 300 V, IEC	61010 300V CATII	N/A			
	9% to 100% of range is suitable for the above accuracy indicators						
	Impedance: >4 M Ω , <1	00pF, AC cou	pling				
0	-30 to 30 mA	0.1 μΑ	0.01% RDG + 1.5 μA	-30 to 30 mA	0.1 μΑ	0.01% RDG + 1.5 μ	
Current DC	to 50°C), Impedance:	< 40 Ω	°C (-10°C to 10°C and 30°C	±5ppm FS/°C (-20°C	to -10°C)		
	0 to 400 Ω	1 mΩ	0.005% RDG + 20 mΩ	0 to 400 Ω	1 mΩ 10 mΩ	0.01% RDG + 20 m	
D	0 to 4000 Ω Temperature coeficien	10 mΩ +·	0.01% RDG + 200 mΩ	0 to 4000 Ω Temperature Coeffici		0.01% RDG + 200 m	
Resistance (4-Wire)	±5 ppm FS/°C (-10°C	0°C to 50°C)	±5ppm FS/°C (-20°C		0°C to 50°C)		
(11110)	2-Wire + 50 mΩ, 3-wire+ 10 mΩ						
	Excitation current: 0.2	mA					
	-10 to 75 mV	0.1uV	0.008% RDG + 3.0 μV	-10 to 75 mV	0.1uV	0.01% RDG + 3.0 μ\	
Voltage mV (TC)	· ·			Temperature Coefficient: ±5ppm FS/°C (-20°C to 10°C and 30°C to 50°C)			
	Impedance: >100 MΩ						
Frequency	0.01 to 50000 Hz	Auto range, 6-digit	0.002% RDG + 2 on last digit	0.01 to 50000 Hz	Auto range, 6-digit	0.002% RDG + 2 on la digit	
	Minimum threshold vo	tage: 2.5 V					
	Supported units: Hz, k	Hz, MHz, CPN	1, CPH, s, ms, μs				
	0 to 9999999	1	N/A	0 to 9999999	1	N/A	
Pulse	Optional rising edge a	nd falling edge	, minimum threshold voltage:	2.5V			
Switch	Cupporto de cor unat au	itahaa Valtaa	e range of 3 to 30 V. Respon	an an and . 10 mg			

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Genreal Specification



SPECIFICATIONS Metrology Made Simple

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Specifications	ADT227	ADT227Ex		
Operating Temperature	-10°C to 50°C	-20°C to 50°C		
Specification guaranteed temperature range	10°C to 30°C	10°C to 30°C		
Storage Temperature	-30°C to 70°C	-30°C to 70°C		
Humidity	<95%, non-condensing	<95%, non-condensing		
Power supply	6600mAh, 23.8Wh lithium battery, charging time about 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 menus with navigation buttons		
Ports protection voltage	50V max (Only for the top ports)	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		
Data logger	500 results, each result x 100,0000 recordings, each recording records a maximum of 7 channel values	N/A		
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	4" (177 mm x 105 mm x 52 mm)		
Weight	1.6 lb (0.7 kg)	1.65 lb (0.75Kg)		
Battery	Rechargeable	e Li-ion battery (included)		
Battery Life	Typically 12 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 hou			
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)	55Pa			
IP protection level	IP67, 1 meter drop test			
Communication	Isolate USB-TYPEC (slave), Bluetooth BLE			
User Interface Localization	English, German, French, Italian, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Japanese, Russian, Czech, Slovak	English, Simplified Chinese, Traditional Chinese, Japanese		
Calibration	ISO 17025 acc	redited calibration with data		
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Warranty **Pressure Specification**

Pressure Specification (ADT227 & ADT227Ex)

The ADT161 and ADT161Ex 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.

3 years



SPECIFICATIONS

Temperature Specification

			ADT227			ADT227Ex			
Туре	Standard Temperati		ire Range (°C)	Accuracy (°C)	Standard	Temperature Range (°C)		Accuracy (°C)	
Type Standard		remperati	ire halige (C)	Measure / Source	Standard	remperatur	e halige (C)	Measure / Source	
			-50~0	0.76		-50 to 1768	-50~100	0.77	
S	IEC 584	-50 to 1768	0~100	0.56	IEC 584		100~1000	0.56	
			100~1768	0.44			1000~1768	0.47	
			-50~0	0.82		-50 to 1768	-50~0	0.82	
R	IEC 584	-50 to 1768	0~200	0.57	IEC 584		0~200	0.57	
			200~1768	0.38			200~1768	0.42	
			200~300	1.51			200~300	1.51	
В	IEC 584	0 to 1820	300~500	1.00	IEC 584	0 to 1820	300~500	1.00	
_	.20 00 .	0 10 1020	500~800	0.62	.20 00 .	0 10 1020	500~800	0.62	
			800~1820	0.43			800~1820	0.43	
			-250 to -200	0.72			-250 to -200	0.75	
K	IEC 584	-270 to 1372	-200 to -100	0.23	IEC 584	-270 to 1372	-200 to -100	0.24	
			-100 to 600	0.12			-100 to 600	0.13	
			600 to 1372	0.22			600 to 1372	0.25	
	IEC 584	-270 to 1300	-250 to -200	1.14	.=	-270 to 1300	-250 to -200	1.17	
N			-200 to -100	0.33	IEC 584		-200 to -100	0.34	
			-100 to 1300	0.19			-100 to 1300	0.22	
			-250~-200	0.39			-250~-200	0.41	
E IEC 584	-270 to 1000	-200~-100	0.15	IEC 584	-270 to 1000	-200~-100	0.15		
		-100~700	0.09			-100~700	0.10		
			700~1000	0.12			700~1000	0.14	
	150 504	-210~1200	-210~-100	0.19	IEC 584	-210~1200	-210~-100	0.20	
J	IEC 584		-100~700	0.10			-100~700	0.11	
			700~1200	0.15			700~1200	0.17	
т	IEC EQ4	270 to 400	-250~-100	0.55	IEC 504	-270 to 400	-250~-100	0.57	
'	IEC 584	-270 to 400	-100~0	0.12 0.08	IEC 584		-100~0	0.12	
			0~400	0.08			0~400	0.26	
С	ASTM E988	0 to 2315	0 to 1000	0.40	ASTM E988	0.4- 0045	0 to 1000	0.45	
C	ASTIVIE900	0 10 2313	1000 to 1800 1800 to 2315	0.65	ASTIVIE900	0 to 2315	1000 to 1800 1800 to 2315	0.43	
			0~100	0.31			0~100	0.73	
			100~1200	0.25			100~100	0.27	
D	ASTM E988	M E988 0~2315	1200~2000	0.42	ASTM E988	0~2315	1200~2000	0.47	
			2000~2315	0.65			2000~2315	0.74	
			50~100	0.90			50~100	0.90	
			100~200	0.57			100~200	0.57	
G ASTM E1751	1 0 to 2315	200~400	0.35	ASTM E1751	0 to 2315	200~400	0.36		
		400~1500	0.25			400~1500	0.30		
		1500~2315	0.49			1500~2315	0.55		
			-200 to -100	0.11			-200 to -100	0.12	
L	DIN43710	-200 to 900	-100 to 400	0.08	DIN43710	-200 to 900	-100 to 400	0.09	
_	Dii (10/10	-200 10 900	400 to 900	0.10	5111107110	200 10 900	400 to 900	0.12	
			-200 to 0	0.21			-200 to 0	0.12	
U	DIN43710	-200 to 600	0 to 600	0.08	DIN43710	-200 to 600	0 to 600	0.09	

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°C (k=2)

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easure and Simulate	т.	emperature Range (°C)	Accuracy (°C)		
leasure and Simulate	16	emperature Hange (*C)	ADT227	ADT227Ex	
		-200~200	0.57	0.59	
PT10(385)	-200 to 850	200~600	0.67	0.72	
		600~850	0.75	0.82	
		-200~200	0.24	0.27	
PT25(385)	-200 to 850	200~600	0.30	0.35	
		600~850	0.34	0.41	
		-200~200	0.13	0.16	
PT50(3916)	-200 to 850	200~600	0.17	0.22	
		600~850	0.20	0.27	
PT100(385)		-200~200	0.08	0.10	
PT100(391) PT100(3916)	-200 to 850	200~600	0.11	0.16	
PT100(3916)		600~850	0.14	0.20	
	-200 to 850	-200~200	0.32	0.32	
PT200(385)		200~300	0.34	0.34	
		300~600	0.41	0.41	
		600~850	0.48	0.48	
		-200~0	0.15	0.15	
DT400(20E)	200 to 050	0~200	0.18	0.18	
PT400(385)	-200 to 850	200~600	0.25	0.25	
		600~850	0.30	0.30	
		-200~200	0.16	0.16	
PT500(385)	-200 to 850	200~600	0.22	0.22	
		600~850	0.27	0.27	
		-200~200	0.10	0.10	
PT1000(385)	-200 to 850	200~600	0.16	0.16	
		600~850	0.20	0.20	
Cu10(427)	-200~260	-200~260	0.54	0.56	
Cu50(428)	-200~260	-200~260	0.11	0.13	
Cu100(428)	-200~260	-200~260	0.07	0.08	
Ni100(617)	-60~180	-60~0	0.05	0.06	
Ni100(618)	-00~100	0~180	0.05	0.05	
Ni120(672)	-80~260	-80~260	0.04	0.05	
Ni1000	-50~150	-50~150	0.07	0.07	

*Note: Ambient temperature of 20°C±10°C.

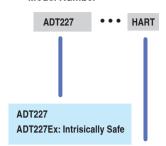
4-wire accuracy. For 2-wire add 50 m Ω , for 3-wire add 10 m Ω

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ORDERING INFORMATION

Model Number



HART = HART Capabilities

Accessories (included)						
Model number	Description	QTY				
9811-X	110V/220V external power adapter (Only for ADT227 & ADT227-HART)	1 pc				
9811Ex-X	110V/220V external power adapter (Only for ADT227Ex & ADT227Ex-HART)	1 pc				
9704	Chargeable Li-ion battery (Only for ADT227 & ADT227-HART)	1 pc				
9704Ex	Chargeable Li-ion battery (Only for ADT227Ex & ADT227Ex-HART)	1pc				
9023	Test leads	1 set (6 pcs)				
9027	Right angle test leads (Non-Ex models only)	1 set (2 pcs)				
9060	Pressure module connection cable	1 pc				
9052	USB Cable type A to type C (Non-Ex models only)	1 pc				
9052Ex	Ex USB Cable type A to type C (For Ex models only)	1 pc				
9040	Hanging strap with magnet	1 pc				
	ISO 17025 accredited calibration certificate	1 pc				

Optional Accessories					
Model number	Description				
ADT161 - XXX	Digital Pressure Modules				
ADT161Ex - XXX	Intrinsically Safe Digital Pressure Modules				
ADT129-X	Differential Pressure Manifold, -15 to 3,000 psi				
9051	Communication cable, Lemo connector to RS232 DB9 male, for RS232 communication with ADT226 and ADT227 calibrator.				
9061	Current output cable (for ADT227 and ADT226 non-EX models)				
9062	Connection adapter cable for Fluke style pressure modules to non-explosion-proof Additel readouts				
9063	PA profibus, FF (Foundation fieldbus) communication module for ADT227-HART				
AM1602-6FT	Class A, PT100/385 Industrial RTD, -40°C to 160°C, 3/16 (4.76 mm) inch x 2 inch (50 mm) with 6 foot (1.8 Meters) cable w/ banana jack connectors				
9080	Cable kit (including TC plug, compensation cable, S,R,K,J,T,E,N)				
9081	Universal TC easy-press adapter for ADT227 and ADT226				
9082	HART 250 ohm resistor adapter for ADT227 and ADT226				
9704	Spare chargeable Li-ion battery for multifunction calibrator ADT226				
9704Ex	Spare chargeable Li-ion battery for multifunction calibrator ADT226Ex				
9811-X	110 V/220 V external power adapter for handheld models				
9811Ex-X	110 V/220 V external power adapter for Ex handheld models				
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