



# Multifunction Process Calibrators

## Selection Guide

Models	Additel 220 Multifunction Loop Calibrator	Additel 221A Multifunction Temperature Calibrator	Additel 222A Multifunction Process Calibrator	Additel 223A Documenting Process Calibrator
<b>Measure</b>				
Voltage(mV)	±300 mV	±75 mV	±75 mV	±75 mV
Voltage(V)	±60 V	±30 V	±30 V	±30 V
Current (mA)	±30 mA	±30 mA	±30 mA	±30 mA
Resistance(ohm)	0 to 2,000 ohm	0 to 4,000 ohm	0 to 4,000 ohm	0 to 4,000 ohm
Frequency(Hz)		1 to 50,000 Hz	1 to 50,000 Hz	1 to 50,000 Hz
Pulse		0 to 999,999	0 to 999,999	0 to 999,999
Limit Switch	3 to 24V	3 to 24V	3 to 24V	3 to 24V
Pressure			• <sup>[1]</sup>	• <sup>[1]</sup>
<b>Source / Simulate</b>				
Voltage(mV)	-10 to 200 mV	-10 to 75 mV	-10 to 75 mV	-10 to 75 mV
Voltage(V)	0 to 12 V	0 to 12 V	0 to 12 V	0 to 12 V
Current (mA)	0 to 22 mA	0 to 22 mA	0 to 22 mA	0 to 22 mA
Resistance(ohm)		1 to 4,000 ohm	1 to 4,000 ohm	1 to 4,000 ohm
Frequency(Hz)		0 to 50,000 Hz	0 to 50,000 Hz	0 to 50,000 Hz
Pulse		0 to 999,999	0 to 999,999	0 to 999,999
DC 24 V	•	•	•	•
<b>Record</b>				
Scaling	•	•	•	•
Min/Max/Avg/Tare	•			
Hold	•			
As found/ As left	•	•	•	•
Data Logging	•	•	•	•
Upload data to PC		•	•	•
<b>Features</b>				
24V loop supply	•	•	•	•
Ramp/ Step	•	•	•	•
Simulate Transmitter		•	•	•
RTD		11 types <sup>[2]</sup>	11 types <sup>[2]</sup>	11 types <sup>[2]</sup>
Thermocouple		13 types <sup>[3]</sup>	13 types <sup>[3]</sup>	13 types <sup>[3]</sup>
HART communication	• <sup>[4]</sup>			•
Documenting		•	•	•
Warranty	3 years	3 years	3 years	3 years
NIST traceable calibration	•	•	•	•

[1] Additel 160 External Pressure Module required

[2] RTD Includes Pt100(385), Pt100(385), Pt100(3916), Pt100(3926), Pt500(385), Pt1000(385), Cu10(427), Cu50(428), Cu100(428), Ni100(617), Ni120(672), Ni1000 and customized

[3] Thermocouple Includes S, R, B, K, N, E, J, T, C, D, G, L, U

[4] Built-in 250Ω resistor for HART communications.