



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
Measure				
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 Ω	0 to 4,000 Ω	0 to 4,000 Ω	0 to 4,000 Ω
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			● ^[1]	● ^[1]
Source / Simulate				
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 Ω	1 to 4,000 Ω	1 to 4,000 Ω
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	●	●	●	●
Record				
Scaling	●	●	●	●
Min/Max/Avg/Tare	●			
Hold	●			
As found/ As left	●	●	●	●
On-demand logging	●	●	●	●
Upload data to PC		●	●	●
Features				
24V loop supply	●	●	●	●
Ramp/ Step	●	●	●	●
Simulate Transmitter		●	●	●
RTD		11 types ^[2]	11 types ^[2]	11 types ^[2]
Thermocouple		13 types ^[3]	13 types ^[3]	13 types ^[3]
HART communication	● ^[4]			●
Documenting		●	●	●
Warranty	3 years	3 years	3 years	3 years
NIST traceable calibration	●	●	●	●
See Page	P22	P24	P27	P30

[1] Additel 160A 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.