

# CAL 8000H+ Multifunction Process Calibrator



STEK CAL 8000H+ Multifunction Process Calibrator is well designed and is suitable for process industries that focuses on wide workloads and calibration capabilities. CAL 8000H+ can measure and simulate almost all process parameters with high precision, and accurately calibrate almost all process parameters. CAL 8000H+ is also suitable for higher metrology requirement



## Features

- Accurately measure and stimulate output performance with an accuracy of 0.01%
- Wide measurement range and output capacity
- Two independent channels, allows simultaneously measure, output and view process signals
- Measure signals such as voltage/mA/RTD/thermocouple/frequency/pulse and resistance
- Output and simulate these signals for transmitter calibration
- Use synchronized pressure measurements to output mA signals to perform valve and I/P testing
- Use auto step and auto ramp function to quick perform linearity tests
- Use 24V loop power to power the transmitter while measuring mA
- HART communication function
- Communication mode: 232 and Bluetooth
- Connect with mobile phone and PC via Bluetooth
- Read and save the data with the mobile APP Use the PC software to analyze and manage data, and generate requirement compliance



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## Specification:

Measurement / Source	Range/Type	Resolution	Accuracy	Others
Voltage	0 to 100mV	0.01mV	0.010%+10uV	Maximum Load 1mA
	0 to 20V	1mV	0.010%+2mV	
	0 to 30V			
Current	0 to 24mA	1uA	0.010%+2uA	Maximum Load 1000Ω
Voltage(TC)	-10 to 75mV	0.01mV	0.015%+10uV	
Resistance	5 to 400Ω	0.01	0.015%+0.05Ω	
	400 to 4000Ω	0.1	0.015%+0.5Ω	
Frequency	2 to 1000CPM	0.1	0.050%+0.1 CPM	1-20Vpp square wave - 0.1 offset
	1 to 1000Hz		0.050%+0.1 Hz	
	1 to -15KHz	0.01	0.050%+0.1 KHz	
Loop Power Function	24V		10%	
Thermocouple	B	0.1	1.2°C	Source resolution 1
	A/C/D/E/G/J/K/M/N/P/R/S/T/Au-Pt/Pt-Pd	0.01	0.3°C	Source resolution 0.1
Thermal Resistance	NI100(618)/NI100(672)/PT100(385)/PT100(3916)/PT100(3926)/PT200(385)/PT500(385)/PT1000(385)/Cu10(427)/Cu50(428)/Cu100(428)	0.01	0.15°C	
Pulse Output	0-10000	Frequency 2CPM-15KHz		
Pulse Measurement	0-100000			
Functions	Channel 1	Channel 2		
Current DC 24mA	Measure	Measure, Source, Simulate		
Current DC 24mA(Provides loop 24v power supply)	Measure			
Current DC 100mV		Measure, Source		
Current DC 30V	Measure			
Current DC 20V		Measure, Source		
Resistance 5-4000		Measure, Source		
Thermocouple		Measure, Source		
Thermal resistance		Measure, Source		
Voltage	Measure	Measure		
Frequency		Measure, Source		
Pulse		Measure, Source		
General Specifications				
Size	208mm*95mm*45mm			
Weight	610g			
Power	5 AA alkaline batteries			
Use Time	30 hours			

