



## Tehničke karakteristike

Features	SM231 4AI×TC PID	SM231 8AI×TC PID
Order No.	CTH2 231-7TD32	CTH2 231-7TF32
<b>Physical Features</b>		
Dimension (W×H×D)	71.3 × 96 × 62mm	71.3 × 96 × 62mm
LED indicator	24VDC Power supply indicator: ON = no fault, OFF = no power; SF indicator, ON=module fault, Blink=input signal error, OFF=normal;	
<b>Power Consumption</b>		
+5VDC power loss	87mA	87mA
L+	34mA	39mA
L+Coil voltage range	20.4~28.8VDC	
Power Consumption	1.8W	1.8W
<b>Input Features</b>		
Input type	Suspension TC	
Input range	K type TC	
Input number	4	8
<b>Isolation</b>		
Field side to logical circuit	500VAC	
Field side to 24VDC	500VAC	
24VDC to logical circuit	500VAC	
Common mode input range (input channel to input channel)	120VAC	
Common mode rejection	>120dB@120VAC	
<b>Sample Features</b>		
Temperature resolution	0.1°C/0.1°F	
Voltage resolution	15bit+sign bit	
Measuring principle	Σ-Δ	
Module update time (all channel)	405ms	825ms
Wire length to sensor	Max. 100m	
Wire loop resistance	Max. 100Ω	
Noise suppression	85dB@ 50Hz/60Hz/400Hz	
Data format	Voltage: -27648~+27648	
Input impedance	>1MΩ	
Max voltage input	30VDC	

Resolution	15bit+sign bit
Input filter attenuation	-3dB@ 21kHz
Error	0.1% FS (voltage)
Repeatability	0.05% FS
Cold junction error	±1.5°C
Deagnostic program	LED: EXTF, SF
<b>PID Features</b>	
PID algorithm	PID+FUZZY parameter self-tuning
Sampling time	1s
Min pulsewidth output	10ms
PID type	P、PI、PD、PID
PID output type	Analog or PWM pulse width control
PID polarity output	Unipolarity or Bipolarity

## Dimenzije

型号		单位mm	
CTH2 221-1BH32	CTH2 231-7PD32		
CTH2 222-1BH32	CTH2 231-7PF32		
CTH2 222-1HH32	CTH2 231-7TF32		
CTH2 223-1BH32	CTH2 231-7TD32		
CTH2 223-1PH32	CTH2 231-7ND32		
CTH2 231-0HC32	CTH2 231-7NF32		
CTH2 235-0KD32	CTH2 231-7WA32		
CTH2 231-0HF32	CTH2 232-0HD32		
CTH2 231-7HB32	CTH2 277-0AA32		
CTH2 231-7HC32	CTH2 277-0AB32		
CTH2 231-7PB32	CTH2 253-1BH32		
CTH2 231-7PC32			

## Šema spajanja



