

9870 HIGH-SPEED HIGH PERFORMANCE TEDS READY INDICATOR

FEATURES & BENEFITS

- High Performance Color Graphic LCD Screen
- TEDS Plug and Play
- Sampling and Response Time from 4,000 to 20,000 per second
- Nonlinearity 0.01% Full Scale
- 24 Bit A/D Converter
- Remote Sense Function
- Variety of Hold Functions
- Scalable Analog Output (0-5 VDC, ±5 VDC, 0-10 VDC, ±10VDC, 4-20mA Unipolar)
- Bar Graph, Process Waveform and Visual Alarm Mode Displays

SPECIFICATIONS

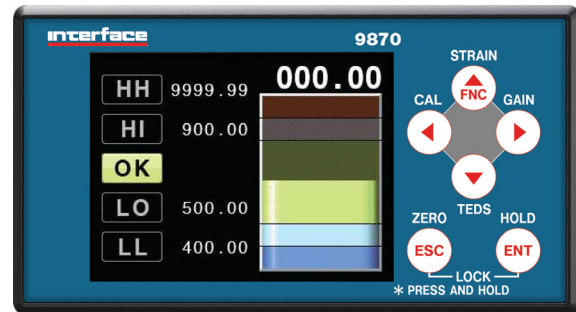
Input Signal Range	Strain gage type transducer ±5 mV/V	
Excitation Voltage	DC 10V or 2.5V ±10% (Max Current: 30mA, remote sense can be used)	
Calibration Method	Actual load calibration, Equivalent load calibration, TEDS calibration	
ACCURACY		
Non-linearity	0.01% F.S.	
Zero drift	0.5uV/ °C (Input equivalent value)	
Gain drift	±0.005% F.S. °C	
Analog to Digital Converting Rate	4000 times per sec 20000 times per sec when hold mode selected, 24 bits A/D converter	
Analog Output	± Voltage Output 0+1 to 10V 1V step or Current Output 4 to 20 mA Unipolar 4000 Hz	
TEDS Function	Template 33 Read Only Functionality	
DISPLAY		
Display Unit	2.4" (60.96 mm) TFT color LCD	
Display Range	-99999 to 99999	
Display Times	Select 4, 6, 10, 20 times per sec	
Display Mode	Select Normal, Bar meter, Large Indicator Value, Static Strain, Graph	
Hold function (20000 times per sec)	Sample, Peak, Bottom, Peak to Peak, Peak and Bottom, Average *Zone Definition Available except Sample Hold	
Setpoints	Open Collector Output	
ELECTRICAL		
Power	100 - 240 VAC 12W adapter (Included as a standard accessory) 50/60Hz	
ENVIRONMENT		
Operating Temperature	°C	0 to 40
	°F	32 to 104
Storage Temperature	°C	-20 to 60
	°F	-4 to 140
Operating Humidity	85% RH (No condensation)	
MECHANICAL		
Weight	g	300
	oz	10.5

STANDARD CONFIGURATION



MODEL 9870 (Shown)

BAR GRAPH

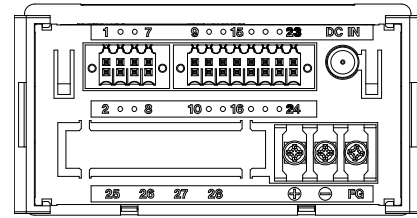
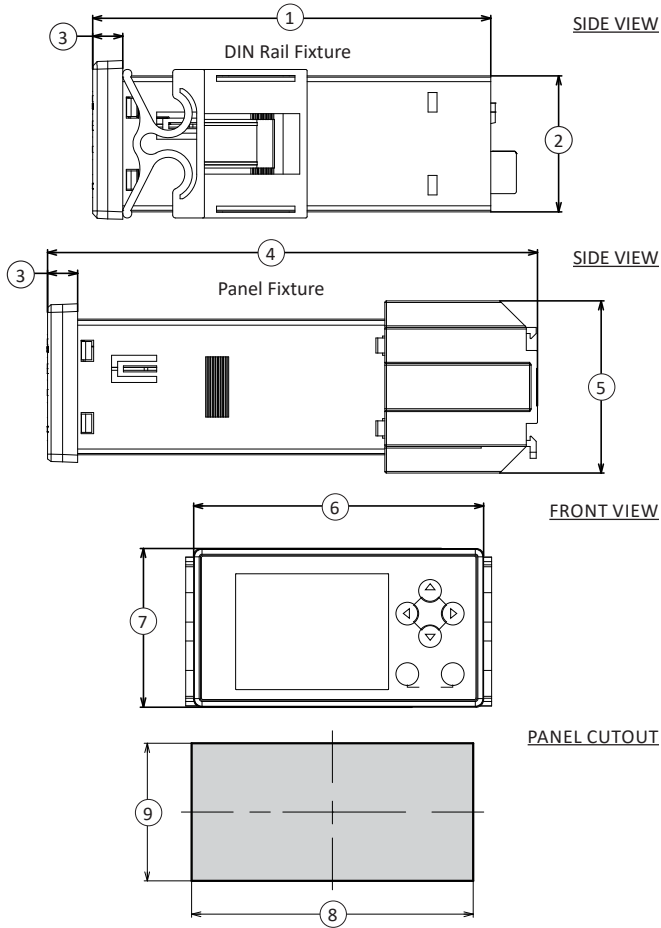


ACTUAL PROCESS WAVEFORM



International System of Units (SI) dimensions and capacities are provided for conversion only. Standard products have U.S. capacities and dimensions. SI capacities available upon special request and at an additional cost.

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ELECTRICAL CONNECTION

Pin	Assign
1	TEDS
2	GND
3	+ EXC
4	- SIG
5	- EXC
6	+ SIG
7	SHIELD
8	NC
9	V-OUT
10	I-OUT
11	COM
12	CLEAR
13	COMPARATOR MODE
14	HOLD
15	D/Z
16	SEL1
17	SEL2
18	COM
19	LL
20	LO
21	HH
22	HI
23	OK
24	COM

DIMENSIONS

See Drawing	1	2	3	4	5	6	7	8	9
in	5.18	1.77	0.39	6.38	2.24	3.77	2.06	3.62	1.77
mm	131.7	45	10	162.25	57	96	52.5	92	45