

DIGITAL INDICATOR

Models 1211, 1254



MODEL 1211				
FEATURES:				
<ul style="list-style-type: none"> • 4 Digit LED Display • Thermocouple, RTD, mV, mA, V, and Resistance Inputs • Alarm Relay(s) • Zero/Tare and Max/Min Memory 				
ORDERING GUIDE:				
Use the following codes to identify desired item.				
MODEL	OUTPUT	BUTTONS	POWER	DISPLAY
●	—	●	—	●
Example:1211-AB-B-1-R				
Model				
1211				
Output				
A	1 Alarm Relay			
B	2 Alarm Relays			
C	3 Alarm Relays			
D	1 Alarm Relay, 1 Analog Output (4-20mA)			
E	2 Alarm Relays, 1 Analog Output (4-20mA)			
F	3 Alarm Relays, 1 Analog Output (4-20mA)			
Buttons				
N	Blank Fascia			
B	Front Panel Push Buttons			
Power				
1	90-250V AC Input			
2	10-32V AC or DC Low Voltage Input			
Display				
R	Red Display			
G	Green Display			

See reverse side for specifications.

MODEL 1254		
FEATURES:		
<ul style="list-style-type: none"> • 5 Digit LED Display • "Fast-Cal" Calibration • Transducer Excitation Supply • Isolated Analog Input • Transducer Health "Test" Function • Dual Alarm Relays • Serial Communications 		
ORDERING GUIDE:		
Use the following codes to identify desired item.		
MODEL	POWER	DISPLAY
●	—	●
Example:1254-1-R		
Model		
1254	(2 Alarm Relays)	
Power		
1	90-250V AC Input	
Display		
R	Red Display	
G	Green Display	
FAST CAL OPERATION:		
Automatically calibrates & matches the indicator to a pressure transducer. It records the output at zero pressure & then records the Span by activating the transducers internal calibration resistor. Transducer Test - Allows a fast & accurate method of checking the wiring, calibration, and health of the connected transducer.		
Additional - Display Hold, Alarm Acknowledge, Key board Lock.		



Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

MODEL 1211	
Display	
Type	14.2mm high brightness red LED (green optional)
Range	4 digit (-1999 tp 9999)
Update Rate	2 per second
A/D Converter	
Type	Dual slope integrating with auto zero
Conversion Rate	100 mS
Common Mode Rejection	>150dB
Series Mode Rejection	>70dB
Thermocouple Inputs	
Type	J, K, T, N, S, R
CJC Accuracy	1°C after 30 minutes
Open Circuit Detection	Upscale
Engineering Units	°C or °F
Resolution	1 or 0.1°C (°F)
RTD	
Type	Pt100 (alpha = 385) Pt100 (alpha = 392)
Configuration	3 wire
Excitation Units	°C or °F
Resolution	1 or 0.1° C (°F)
Voltage & Current Inputs	
Ranges	±20mA, ±100mV, ±10VDC
Scaling	Any portion of the display range
Accuracy	0.05% at 25°C typical
Impedance	< 5 Ohms (mA), > 100 MOhms (mV) > 100 MOhms (V)
Analog Output (Option)	
Output	4 to 20mA
Maximum Output	22mA
Accuracy	0.2% at 25° C typical
Maximum Load	500 Ohms
Resolution	0.02mA
Alarm Relays (Relays 2 & 3 are optional)	
Relays 1 & 2	Change over contacts
Relays 3	Normally open contacts
Rating	1 Amp at 250 VAC, 5 Amp at 30 VDC
Physical / Mechanical	
Front Panel	Protection to IP65
Dimensions (mm)	48(H) x 96(W) X 100(D)
Weight	0.4Kg
Environmental	
Temperature	10 to 50°C operating, -10 to 70°C storage
Humidity	0-95% RH non condensing

MODEL 1254	
Display	
Type	14.2mm high brightness red LED (green optional)
Range	5 digit (-19999 tp 99999)
Update Rate	2 per second
Resolution	User selectable
Input	
ADC Type	Dual slope integrating auto zero, 17 bit (universal for mV, mA, V)
Resolution	Up to 1 microV per display digit (mV input)
Accuracy	0.05% of reading
Measurement Rate	10 per second
Input Impedance	>100MOhms (mV inputs)
Common Mode Rejection	>150dB
Series Mode Rejection	>70dB
Transducer Supply	
Excitation	User selectable regulated 0-12VDC at 35mA Loop power 24VDC nominal (35mA max)
Alarm Relays	
Relays	2 off, single change over contacts
Rating	1 Amp at 250VAC, 5 Amp at 30VDC
Analog Output	
Isolation	500VDC / Peak AC
Output	User selectable 0 to 10VDC, 0 to 20mA, or 4 to 20mA
Scaling	User Scaling to any displayable value
Accuracy	0.2% at 25°C typical
Response	100ms
Resolution	0.05% (5mV or 0.01mA)
Max. Voltage Output	11V at 22mA
Max. Current Output	22mA at 18V
Max. Load	900 Ohms
Serial Communications	
Type:	RS 422/485, 2 or 4 wire multidrop
Isolation:	500Vdc/Peak ac
Speed:	1200, 2400, 4800, 9600 baud
Parity:	Odd, even or none
Stop bits:	1 or 2
Protocols:	MODBUS™ RTU (J-BUS), MODBUS™ ASCII and DTPL
Physical / Mechanical	
Dimensions (mm)	48(H) x 96(W) X 100(D)
Weight	0.4Kg
Environmental	
Temperature	10 to 50°C operating, -10 to 70°C storage
Humidity	0-95% RH non condensing
Alarms	
Display	Alarms can be flashed on the display with the measured value.
Menus	4 menus, each individually user selectable.