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Digital Indicators

Intelligent Line Powered Panel Meter

c UL us LISTED CE NOSHOK

IDE30 SERIES



- Accepts a variety of standard process signals and precisely scales them into any desired unit of measurement
- Single input
- Employs advanced technology for stable, drift-free readout
- Upgradable with option cards; including relay set point alarms, analog output and serial communication
- 32 point scaling for non-linear processes
- Max. and min. value display
- Easy menu-driven programming
- NEMA 4X/IP65 sealed front bezel
- Integral PC software available for configuration
- AC or DC input power
- Programmable signal response time
- Standard DIN panel cutout

APPLICATIONS

- Process indication
- On/off pump controls
- Compressor controls
- Safety or shutdown alarms
- Local indication with signal
- Retransmission to computer control system

SPECIFICATIONS

Input signals	**A:** Field selectable: 0-20 mA, 4-20 mA +10 V (0-5 V, 1-5 V, 0-10 V) **T**: J, K, T, E, R, S, B, N, C Thermocouples 100 or 1000 Ω Platinum, 10 Ω Copper, 120 Ω Nickel RTDs **R**: 15 mV, 30 mV, 150 mV, 300 mV unipolar; ±15 mV, ±25 mV, ±150 mV, ±250 mV bipolar Inputs	
Sensor excitation	**A:** Isolated 24 Vdc @ 200 mA Transmitter Power Supply **R:** Selectable 5 or 10 VDC Sensor Excitation @ 350 mA Max	
Process display	Dual-Line 6-Digit Display, 0.6" (15 mm) & 0.46" (12 mm)	
Key pad	4 Front panel buttons	
Power requirement	AC version	85-265 Vac 50/60 Hz, 20 watts max
	DC version	90-265 Vdc or 12-24 Vdc ±10%, 15 watts max
Electrical connection	Screw terminals at back of case	
Accuracy	See User Manual	
Humidity	0 to 90% non-condensing	
Normal rejection mode	Greater than 60 dB at 50/60 Hz	
Altitude	Up to 2,000 meters	
Update rate	5/second (200 ms)	
Temperature ranges	Operating	-40 °F to 150 °F(-40 °C to 65 °C)
	Storage	-40 °F to 185 °F (-40 °C to 85 °C)
Electromagnetic rating	see user manual for detail	
Environmental rating	NEMA 4X, IP65 (front of display only)	
Filtering	0 seconds to 25 second, selectable	
Min/Max reading	Captures and stores min/max measurement	
Linearization	2 to 32 points, selectable	
Weight	9.5 oz (269 g)	
Option cards	2 Relays 4-20 mA output 4 Relays 2 Relays & 4-20 mA output 4 Relays & 4-20 mA output Consult factory for additional option cards	

⚠ **WARNING:** This product can expose you to chemicals including Lead and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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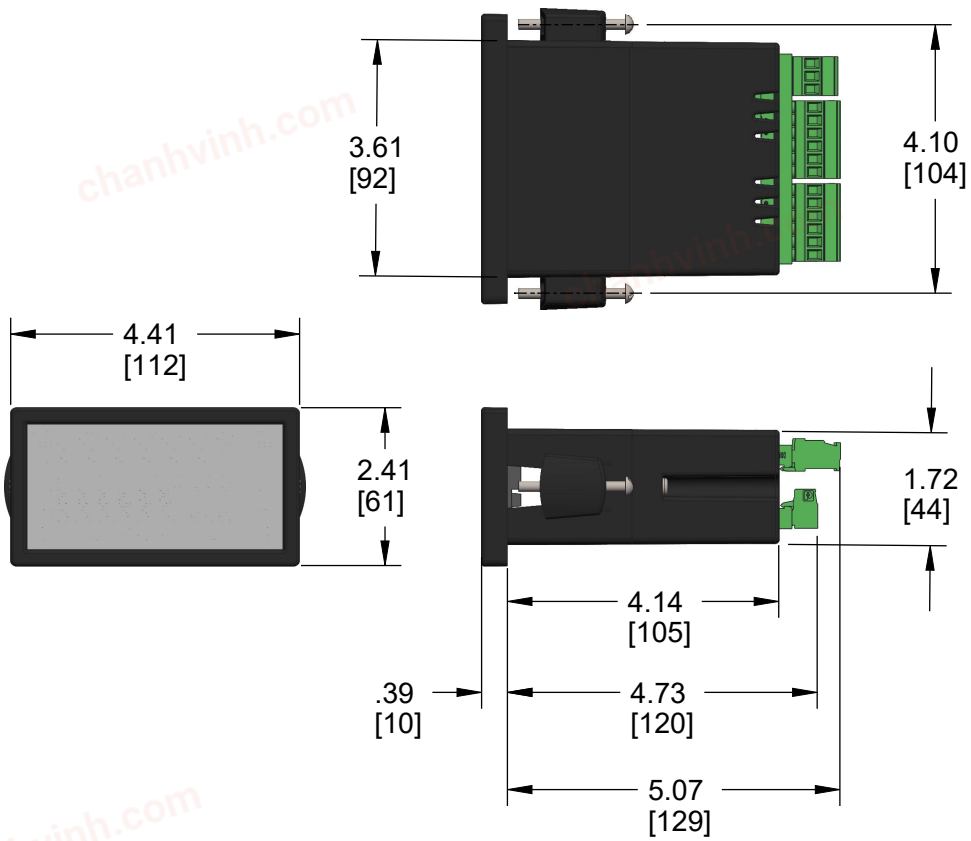
ORDERING INFORMATION						
SERIES	IDE30					
INPUT SIGNALS	A	Single Analog Input	T	Temperature	R	Resistance
POWER REQUIREMENTS	1	85-265 Vac, 90-265 Vdc	2	12-24 Vdc/Vac		
DISPLAY BRIGHTNESS	1	0.6 in High, Dual Line, 6 Digits, Red LED			2	SunBright, 0.6 in, Dual Line, 6 Digits, Red LED
OPTION CARDS	0	No option card	3	4 Relays		
	1	2 Relays	4	2 Relays & 4-20 mA Output		
	2	4-20 mA output	5	4 Relays & 4-20 mA Output		

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

EXAMPLE

IDE30 – A – 1 – 1 – 1

Series ..... IDE30 Series
Input..... Single Analog Input
Power Requirement..... 85-265 Vac, 90-265 Vdc
Display Brightness..... 0.6 in High, Dual Line, 6 Digits, Red LED
Option card ..... 2 Relays



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