

HL90/HL80/HL60/HL40/HL91/HL81/HL61 Series

Intelligent Digital Indicator



Features

- high measuring accuracy, strong anti-interference
- small size, light weight
- diverse control output
- fast response
- simultaneous pressure & temperature display available

Applications

chemical fiber industry
injection molding industry
rubber industry

Description

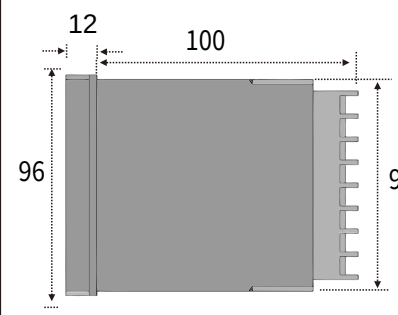
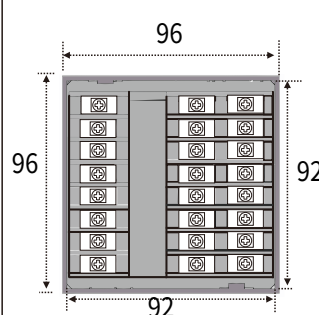
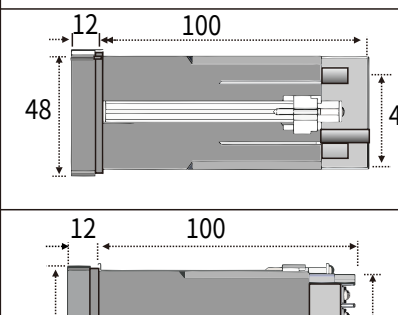
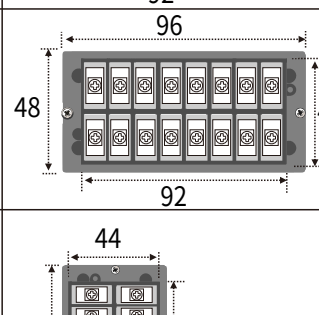
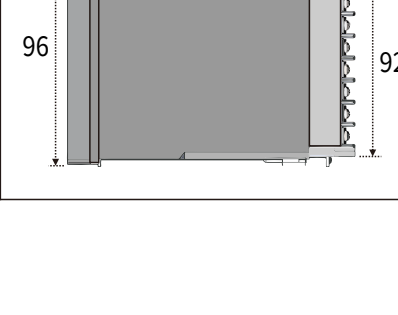
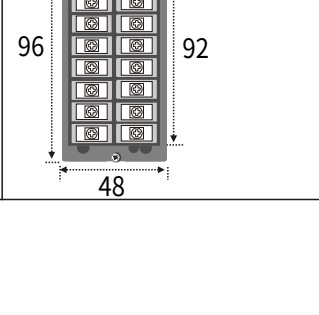
Intelligent digital indicator is usually used to work with pressure sensor whose signal type can be mV/V, 4-20mA, 0-10V, 0-5V, etc., it adopts relay output control and outputs through current or voltage transmitter, RS485 communication, RS232 communication etc. This series adopts switching mode power supply, and the anti-interference grade can reach 4800V group pulse.

General Specifications

Items	Parameters
Displayer	double-row four-digit highly bright LED digital display
Resolution	0.001
Range	pressure: 0000...9999(decimal point variable), temp: 000.1...400.0
Accuracy	0.2%F.S
Sampling Rate	50 times/second
Power Supply	85-265VAC, 24VDC
Signal Input	mV/V, 4-20mA, 0-10V, 0-5V
Temperature Measuring Type	K, J, E type, or Pt100 RTD
Signal Output	4-20mA, 0-5V, 0-10V, relay output, RS485/RS232 communication
Working Temp	-10...50℃
Overall Weight	400g(HL91/HL90) 280g(HL60/61/80/81)



External Dimension

Model	Side View	Back View
HL90 HL91		
HL60 HL61		
HL80 HL81		



Ordering Guide

Series Code		HL	X	X	X	X	X	X	X
Product Model	square type (96×96) pressure measurement only	90	↑	↑	↑	↑	↑	↑	↑
	vertical type (48×96) pressure measurement only	80							
	horizontal type (96×48) pressure measurement only	60							
	square type (96×96) temp&pressure measurement	91							
	vertical type (48×96) temp&pressure measurement	81							
	horizontal type (96×48) temp&pressure measurement	61							
	square type (46×46) pressure measurement only	40							
Power Supply	85~265VAC		V1						
	24VDC		V2						
Pressure Unit	MPa			M					
	psi			P					
	kPa			K					
	bar			B					
Pressure Range	X(on request)				X				
Pressure Signal Input	1.5mV/V					S1			
	2mV/V					S2			
	3.33mV/V					S3			
	4~20mA					S4			
	0~10VDC					S5			
	0~5VDC					S6			
Temp Signal Input	K type (not available for Model 90/60/80/40)						K		
	J type (not available for Model90/60/80/40)						J		
	E type (not available for Model90/60/80/40)						E		
	Pt100 (not available for Model90/60/80/40)						RTD1		
Signal Output	two-way relay output(standard configuration))							H1	
	two-way relay output+one-way relay output							H2	
	two-way relay output+4~20mA output							H3	
	two-way relay output+0~10VDC output							H4	
	two-way relay output+0~5VDC output							H5	
	two-way relay output+RS485 output							H6	

