HEISE®

Series 9
LED Digital Pressure Indicator

STANDARD FEATURES

- ***Model 901A: ±0.07% FS accuracy***
- ***Model 901B: ±0.035% FS accuracy***
- ***Pressure ranges from 2 psi through 30,000 psi gauge, absolute, compound and vacuum***
- ***Welded sensor construction***
- ***Broad media compatibility: Any liquid or gas compatible with Inconel and 316 S.S.***
- ***Highly visible LED display***
- ***Rugged ABS housing***

OPTIONAL FEATURES

- ***Hi/Lo setpoint w/alarm relay drivers***
- ***Max/min memory***
- ***Selectable engineering units***
- ***Tare***
- ***Display hold***
- ***Remote sensor mounting up to 20ft***
- ***RS232 output***
- ***Analog output***
- ***BCD output***

The Heise Series 9 digital pressure indicator is an extremely precise pressure measurement instrument. It offers high measurement accuracy for a wide variety of pressure media and application requirements. Optional features are accessed via dedicated front panel buttons making it easy to check max/min values, set tare, program set points, and select one of up to three engineering units.

PHYSICAL SPECIFICATIONS

Display
LED 5 digit, 0.43 inch high
250 ms display update rate
83 ms max/min update

Pressure Connection
1/4 NPT internal to 5,000 psi
9/16-18 UNF-2B female port for 1/4″ OD pressure tubing for 6,000 psi and above

Dimensions
7.72″ x 6″ x 2.92″

Panel Cutout
5.43″ x 2.68″

Weight
2.8 lbs

Case Material
High impact ABS

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range
0°F to 140°F

Standard Compensated Temperature Range
45°F to 95°F

Optional Compensated Temperature Range
20°F to 120°F

Storage Temperature
–40°F to 180°F

PERFORMANCE SPECIFICATIONS

Available Accuracy
±0.035% of span, ±0.07% of span

Certification
N.I.S.T. traceable certification standard

Resolution
Depends on range - one part in 30,000 max

Repeatability
±0.005% of span

Pressure Types
Gauge, absolute, compound and vacuum

MEDIA COMPATIBILITY

Liquid or gas compatible with Inconel and 316SS

OVERPRESSURE CAPABILITY

400% of span to 236 psi
100% of span to 500 psi
30% of span to 7,500 psi
20% of span to 10,000 psi
10% of span to 30,000 psi

POWER REQUIREMENTS

100/115/230 Vac nominal ±10%, 50/60Hz

STANDARD RANGES

psi	Inches of Water	Other Engineering Units
2	50	
3	100	
5	200	inHG
10	300	ftSW
15	400	Bar
20	500	mBar
30	600	kPa
50	1,000	MPa
60	2,000	mmHg
100	3,000	cmH20
150		kg/cm2
200		Custom – Consult Factory
300		
500		
600		
1000		
1500		
2000		
2500		
3000		
4000		
5000		
6000		
10,000		
15,000		
20,000		
25,000		
30,000		

Nonstandard Ranges: Consult factory
Vacuum: 5, 10, 15 psiv
Compound: Consult Factory

TO ORDER THIS TYPE SERIES 9 DIGITAL PRESSURE INDICATOR:

1. **Specify Model:** 901A ±0.07% FS, ±0.035% FS
2. **Specify Power Requirements:** 110 Vac, 220 Vac or 100 Vac
3. **Specify Pressure Range**
4. **Specify Engineering Units**
5. **Specify Pressure Medium**
6. **Specify Options**

Unit Select – list 2 secondary engineering units/Max/min track
Hi/Lo setpoint — Tare
RS232 or BCD output — 4-20 mA, 0/5 or 0/10 Vdc output
Remote Sensor – Specify cable length 5 ft, 10 ft, 20 ft

Multiplex ENGINEERING LTD