

WISE
UNIIN

PROCESS MEASUREMENT AND CONTROL SOLUTION

- Pressure Gauge
- Pressure Switch
- Pressure Transmitter
- Temperature Gauge
- Temperature Switch
- Temperature Transmitter

P120 - Series
Refrigeration
Pressure Gauge
Model : 2 1/4"
Range : -76cmHg -
15kg/200 psi
Connection : 7/16" -
20UNF (Bottom)
Casing & Bezel : SUS
304 or stainless, red
or blue paint bezel
anti-corrosion



P130 - Series
Digital Pressure Gauges
Size : 3"
Range : 0-1 to 0-1000 bar
Connection : 1/4 " NPT



P660 - Series
Differential Pressure Gauge
4-3/4" Dia. x 2-3/16" deep
Connection : 1/8" female NPT
Casing cast aluminum press or Nylon
with ABS plastic
Range : 0-50 to 0-1000 (mmH2O)



P700
Threaded Process
Connection
Diaphragm Seal Type
Pressure
Gauge
Dial : Refer Specification
Range : -76cmHg ~20
kgf/cm²,
0-1 to 0-25 kgf/cm²
Material : Flange 304ss or
316ss, Diaphragm 316Lss
Or Specify, Filling Liquid
Silicon Oil

T130
Magnet Thermometer
2.5" Dial,
Range : -50-50 to 0-300 °C
Casing 304ss



Pressure UNIJIN Measurement



P254 - Series (DIN)
Industrial Pressure Gauge

Dial : $\varnothing 63$: -1-0 to 0-1000 bar
Dial : $\varnothing 100$: -1-0 to 0-1600 bar
Casing 304ss, Element 316ss Or Specify



P255 - Series (DIN)
Liquid Filled Industrial Pressure Gauge

Dial : $\varnothing 63$: -1-0 to 0-1000 bar
Dial : $\varnothing 100$: -1-0 to 0-1600 bar
Casing 304ss, Element 316ss Or Specify



P250 - Series (DIN)
Process Industrial Pressure Gauge

Dial : $\varnothing 63$ mm : -1-0 to 0-1000 bar
Dial : $\varnothing 100$ mm : -1-0 to 0-1600 bar
Casing 304ss, Element Cu Alloy 2.0460



P251 - Series (DIN)
Liquid Filled Process Industrial Gauge

Dial : $\varnothing 63$ mm : -1-0 to 0-1000 bar
Dial : $\varnothing 100$ mm : -1-0 to 0-1600 bar
Casing 304ss, Element Cu Alloy 2.0460



P110 - Series
General Service Pressure Gauge
 $\varnothing 40, 50, 60, 75, 100, 150, 200$ mm
-76cmHg, -76-20 to 0-1000kgf/cm²
Casing steel, Element Brass



P252 - Series (DIN)
Industrial Pressure Gauge

Dial : $\varnothing 63, 80$ mm : -1-0 to 0-1000 bar
Dial : $\varnothing 100, 160$ mm : -1-0 to 0-1600 bar
Casing 304ss, Element 316ss Or Specify



P258 - Series (DIN)
Liquid Filled Industrial Pressure Gauge

Dial : $\varnothing 63, 80$ mm : -1-0 to 0-1000 bar
Dial : $\varnothing 100, 160$ mm : -1-0 to 0-1600 bar
Casing 304ss, Element 316ss Or Specify



P253 - Series (DIN)
Process Industrial Pressure Gauge

Dial : $\varnothing 63$ mm : -1-0 to 0-1000 bar
Dial : $\varnothing 100$ mm : -1-0 to 0-1600 bar
Casing 304ss, Element Cu Alloy 2.0460



P259 - Series (DIN)
Liquid Filled Process Industrial Gauge

Dial : $\varnothing 63$ mm : -1-0 to 0-1000 bar
Dial : $\varnothing 100$ mm : -1-0 to 0-1600 bar
Casing 304ss, Element Cu Alloy 2.0460



P257 - Series
Solid Front Type Pressure Gauge
Dial : $\varnothing 63, 100$ mm
Range : -1-0 to 0-1000 bar
Casing 304ss, Element 316ss



P336 - Series
Duplex Pressure Gauge
Dial : $\varnothing 100$ mm
Range : 0-4 to 0-35kgf/cm²
Casing Al, Element 316ss



P339 - Series
Safety Pattern Pressure Gauge
Dial : $\varnothing 125$ mm
-76cmHg-0 to 0-2000kgf/cm²
Casing Al, Element 316ss



P410 & P420 - Series
Draft Gauge
192(W)x96(H) & 96(W)x192(H)mm
Refer Pressure Range Table (mmH₂O)
Casing 304ss, Element 316ss Or Specify



P421 - Series
Low Pressure Gauge
Dial : $\varnothing 63, 75, 100$ mm
Refer Pressure Range Table (mmH₂O)
Casing Steel, Element Cu Alloy Or Specify



P510 - Series
Electrical Contact Pressure Switch
Dial : $\varnothing 100$ mm
Casing 304ss, Element 316ss



P520 - Series
Electrical Contact Pressure Switch
Dial : $\varnothing 100$ mm
Range : -1-0 to 0-1600 bar
Casing 304ss, Element 316ss



P536 - Series
Indicating Pressure Switch
Dial : $\varnothing 150$ mm, Micro Contact Type
Range : Refer Pressure Table
Casing AC7A-F, Element 316ss



P620 & P621 - Series
Differential Pressure Gauge
Dial : $\varnothing 150$ mm : 0-1 to 0-10kgf/cm²
0-500 to 0-5000(mmH₂O)
Casing 304ss, Element 316ss or specify



P623 & P624 - Series
Differential Pressure Switch
Dial : $\varnothing 150$ mm, 0-500 to 5000 (mmH₂O),
0-1 to 0-10kgf/cm²
Casing Steel Or 304ss, Element 316ss



P710
Screwed Process Connection

Diaphragm Seal Type Pressure Gauge
Dial : Refer Specification, Range : -76cmHg-0 to -76cmHg-20kgf/cm², 0-1 to 0-250kgf/cm²
Material : Flange 304ss Or 316ss, Diaphragm 316Lss Or Specify, Filling Liquid Silicon Oil



P720
"I" Type Process Connection



P730
Flat Type Flange Process Connection



P740 - Series
High Temperature Pressure Gauge
Dial : $\varnothing 100$ mm
Range : 0-100 to 0-500kgf/cm²
Body 316ss, Element 316ss



P756
Homogenizer Flange Type
SANITARY PRESSURE GAUGE
Dial : $\varnothing 60, 75, 100$ mm



P751
Nut Type



P752
CLAMP (IDF Flange) Type

SANITARY PRESSURE GAUGE
Dial : $\varnothing 60, 75, 100$ mm
Range : 1-0 to 0-500 kgf/cm²
Body 316ss, Diaphragm 316Lss, Electropolished Diaphragm, 12-20 RA, System Filling : USP grade glycerine



P753
Male Screw Type



P754
Cooling Fin Type



P755
Homogenizer Type



P920 - Series
Pressure Recorder
Dial : $\varnothing 250$ mm
-76cmHg-0 to 0-500kgf/cm²
Casing AC7A, Element 316ss



P953 - Series
Explosion Proof Pressure Switch
Dimension Refer Specification
Adjustable Range : 300(mmH₂O)
100kgf/cm² Element Diaphragm

PRESSURE TRANSMITTER



- General Purpose Pressure
- Flush Ceramic Diaphragm Pressure
- High Precision Pressure
- Corrosive Environment Pressure
- Thin Film Pressure
- Local Display Pressure
- Low Pressure
- Digital Pressure
- Compact Pressure
- Digital Differential Pressure
- OEM Pressure Transducer
- Compact Pressure With Local Display



P940 - Series
Weather Proof Pressure Switch
Dimensions Refer Specification
-76cmHg-0 to -76cmHg-20kgf/cm²,
0-1 to 0-350kgf/cm²

Temperature UNIJIN Measurement



T110 - Centre Back Conn
Industrial Bimetal Thermometer
Ø75, 100, 125, 150mm
Range : -50-50 to 0-500 °C
Casing 304ss, Element Coil Bimetal



T120 - Bottom Conn
Process Industry Bimetal Thermometer
Dial : Ø100mm
Range : -50-50 to 0-500 °C
Casing 304ss, Element Coil Bimetal



T140 - Centre Back With Angle Stem
Process Industry Bimetal Thermometer
Dial : Ø75, 100, 125, and 150mm
Range : -50-50 to 0-500 °C
Casing 304ss, Element Coil Bimetal



T190 - Centre Back Adjustable Stem
Process Industry Bimetal Thermometer
Dial : Ø100, 125 and 150mm
Range : -50-50 to 0-500 °C
Casing 304ss, Element Coil Bimetal



T210
Remote Reading Thermometer
Ø100mm
Range : -50 °C to 600 °C
Casing 304ss, Element Liquid Filled

T219
Oil Filled




T220
Direct Reading Thermometer
Dial : Ø100mm
Range : -50 °C to 600 °C
Casing 304ss, Element Liquid Filled

T229
Oil Filled



T290 - Adjustable Stem
Direct Reading Thermometer
Dial : Ø100mm
Range : -50 °C to 600 °C
Casing 304ss, Element Liquid Filled



T400
Glass Thermometer
Straight Type Or Angle Type
Range : -30-50 to 0-200 °C
Stem Brass, Element Liquid



T920 - Bottom Conn Surface
Temperature Recorder
Dial : Ø250mm
Range : -50 °C to 600 °C
Casing Al, Element Liquid Filled



T711 - Electric Contact
Remote Reading Thermometer
Dial : Ø100, 150mm
Range : -50 °C to 600 °C
Casing Al, Element Liquid filled




T721 - Electric Contact
Direct Reading Thermometer
Dial : Ø100mm
Range : -50 °C to 600 °C
Casing Al, Element Liquid filled



T751 - Electrical Contact (DIN)
Direct Reading Thermometer
Dial : Ø100mm
Range : -50-50 to 0-500 °C
Casing 304ss, Element Coil Bimetal

TEMPERATURE TRANSMITTER



With / Without Local Display

Micro-Processor Based Digital Temperature Transmitter



T931
Indicating Temperature Switch
Dial : Ø150mm
Range : -50 °C to 600 °C
Casing Al, Element Liquid Filled



T941 - Weather Proof
Temperature Switch
Dimension Refer Specification
Range : -50 °C to 600 °C
Casing ALDC, Element Liquid Filled



T951 - Explosion Proof
Temperature Switch
Dimension Refer Specification
Range : -50 °C to 600 °C
Casing ALDC, Element Liquid Filled



THERMOWELL

Basic Ordering Information :

- Model
- Mounting Type
- Dial size
- Range
- Process conn. & Type
- Option

PRESSURE CONVERSION CHART

PSI	ATM	Kg/cm ²	in.H ₂ O	mmHg	in.Hg	Kpa	bar	mmH ₂ O
1	0.068046	0.070307	27.7276	51.715	2.03602	6.895	0.06895	704.28104
14.696	1	1.0332	407.484	760	29.921	101.325	1.01325	10350.0936
14.2233	0.96784	1	394.38	735.559	28.959	98.096	0.98067	10000
0.036092	0.002454	0.00253	1	1.8651	0.07343	0.249	0.00249	25.4
0.019336	0.001315	0.001359	0.53616	1	0.03937	0.1333	0.001333	13.618464
0.491154	0.0033421	0.03453	13.6185	25.4	1	3.3864	0.033864	345.9099
0.145	0.00987	0.010197	4.0186	7.5006	0.2953	1	0.01	102.07244
14.5038	0.98692	1.01972	402.156	750.062	29.53	100	1	10214.7624
0.00142	0.000097	0.0001	0.03937	0.0734	0.0029	0.0098	0.000098	1

TEMPERATURE CONVERSION FORMULA

Fahrenheit Temperature (°F)	Celsius Temperature (°C)	Absolute Temperature	Rankin Degree (°R) Kelvin Degree (K)
°F = 1.8 (°C) + 32	°C = °F - 32/1.8	0°R = 0K	
°F = °R - 459.69	°C = K - 273.16	K = °C + 273.16	

NOTE :
Due to continuous improvement and research, specifications are subjected to changes without prior notice.

Process Measurement & Control Solution



Unijin Instruments Industries Sdn. Bhd., is the leader provider in manufacturing of various Pressure and Temperature instruments and its accessories with the brand name of "UNIJIN" and "WISE". Unijin Instruments Industries Sdn. Bhd. was founded in 1997 and has been supplying gauges products, services for customers over the years and had positive feedback from them.

Unijin's quality management system has been certified to ISO 9001 - 2008. Our safe and high quality products, meet and fulfil the global standard and requirement. The company has established its position locally and in international market, such as China, Vietnam, Singapore, Thailand, Hong Kong , South Korea, etc. Over the year. our products have earned the reputation of being reliable, competitively priced with timely delivery.

Our products are widely use in various industry. For example, such as the general industry, power generating industry, oil and gas, petrochemical and chemical processing, the pulp and paper industry, semiconductor manufacturing, the metallurgical industry, biopharmaceutical and the food and beverage industry.

Many multinational manufacturing company also appoint Unijin in their plant's set-up, particularly in the semiconductor industry. Unijin is accelerating the quality control in order to offer superior goods and services to our customers.

We have the capability of design and develop custom made pressure and temperature instruments based on the specific needs of each customer . Also, Unijin will always seek for improvement and development in order to provide better products and services to our value customer. We, at UNIJIN, with experienced and professional management team, always strive by efforts on the product's integration to achieve best of quality to ensure the satisfaction and fulfilling of customer needs and challenges.



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