

INSTRUMENTS FOR BIOPHARMA AND FOOD & BEVERAGE

WISE

www.wisecontrol.com

Pressure
Instruments

Temperature
Instruments

Flow & Level
Instruments

WISE



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Catalog

INSTRUMENTS
FOR
BIOPHARMA AND
FOOD & BEVERAGE

WISE

BTT3000

Slim Type Temperature Transmitter (3-A Marking)

PROCESS CONNECTION

G 3/8" (F) (With well type)

MATERIAL

316L SS

WORKING TEMPERATURE

Ambient: -40 to 85°C

Process: -50 to 200°C (With well type)

POWER SUPPLY

DC 10~30V

INPUT

RTD: Pt100Ω at 0°C (A Class)

RTD: Pt100Ω at 0°C (B Class)

OUTPUT

4~20mA / DC 2-wire loop powered technique

CABLE CONNECTION

M12 Connection

RESPONSE TIME (10~90%)

≤ 2 seconds

SURFACE ROUGHNESS OF WETTED PART

Ra ≤ 0.64μm

Ra ≤ 0.64μm with E.P (Special)



A7100

Integral Type Thermowell (3-A Marking)

GAUGE CONNECTION

G 3/8" (M)

NPT 1/2" (F)

PF 1/2" (F)

PT 1/2" (F)

MATERIAL

316L SS

PROCESS TEMPERATURE

-20 to 200°C

SURFACE ROUGHNESS OF WETTED PART

Ra ≤ 0.64μm

Ra ≤ 0.64μm with E.P (Special)



P752S

Sanitary Pressure Gauge (3-A Marking)

DIAL

50, 63, 80 and 100mm

RANGE

-0.1~0MPa to 0~5MPa

WORKING TEMPERATURE

Ambient -25~65°C

Fluid Max. 121°C

CASE

304SS

DIAPHRAGM AND SEAL HOUSING

316L SS, Hastelloy-C, 316SS

SYSTEM FILLING FOOD GRADE OIL

FDA Certified



P753S

Sanitary Pressure Gauge - Male Connection(3-A Marking)

DIAL

63 and 100mm

RANGE

0 ~ 3.5MPa

WORKING TEMPERATURE

Ambient: -25~65°C
Fluid: Max.121°C

CASE

304SS

SYSTEM FILLING FOOD GRADE OIL

FDA Certified

T123

Sanitary Bimetal Thermometer (3-A Marking)

DIAL

75 and 100mm

CASE & COVER

304SS

LOCATION OF STEM

Bottom connection, Direct

TEMPERATURE ELEMENT COLIED BIMETAL

STEM:

6.0, 6.4 and 8.0 mm diameter
304SS, 316SS and 316L SS

PROCESS CONNECTION:

Tri-Clamp Connection, 1, 1½ and 2S

WINDOW

Glass

R231, R232

Sanitary Resistance Temperature Detector(3-A Marking)

ELEMENT

Pt 100Ω at 0°C / TCR: 3,850ppm/k

HEAD MATERIAL

ALDC, 304SS

TOLERANCES ON TEMPERATURE READING

Class A, Class B

ELEMENT AND LEAD WIRE :

Single Element 2, 3 and 4 wire
Double Element 4 and 6 wire

PROCESS CONNECTION

Tri-Clamp Connection, 1, 1½ and 2S



SMT2001

Differential Pressure Transmitter

ACCURACY

±0.05% of of full span, ±0.075% of of full span

TURN DOWN

Adjustable up to 100:1 range ability

ISOLATING DIAPHRAGM

316L SS
Hastelloy C
316L SS with Gold plated
316L SS with Teflon plated

OUTPUT

4–20mA with HART Protocol

FAILURE ALARM

CE CONFORMITY EMC DIRECTIVE

DEGREE OF PROTECTION

IP66/IP67

SMT2002

Gauge Pressure Transmitter

ACCURACY

±0.05% of of full span, ±0.075% of of full span

TURN DOWN

Adjustable up to 100:1 range ability

ISOLATING DIAPHRAGM

316L SS
Hastelloy C
316L SS with Gold plated

OUTPUT

4–20mA with HART Protocol

FAILURE ALARM

CE CONFORMITY EMC DIRECTIVE

DEGREE OF PROTECTION

IP66/IP67

A603

Sanitary Thermowell(3-A Marking)

PROCESS CONNECTION

Tri-Clamp Connection 1S, 1½S and 2S

GAUGE CONNECTION

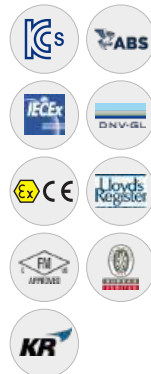
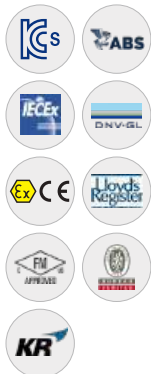
½”(N)PT, female

BORE DIAMETER

7, 9, 10 and 12mm

MATERIAL

304SS, 316SS, 316L SS



UTE100

UHP Temperature Element

THERMOCOUPLE

K, E, J, T, N, R, S, B

RTD

Pt 100Ω at 0°C

TOLERANCES ON TEMPERATURE READING

Thermocouple:

Class 1, Class 2 (DIN/IEC584-2, BS/EN60584-2, JIS C1602)

Special, Standard (ASTM E230, E988, ISA-MC96.1)

RTD:

Class A: $\pm(0.15 + 0.002 |t|)$

Class B: $\pm(0.3 + 0.005 |t|)$

SHEATH OUTER DIAMETER

Thermocouple: 1.0, 1.6, 2.3, 3.2, 4.8, 6.4, 8.0, 9.5 and 12.7mm

RTD: 3.2, 4.8, 6.4 and 8.0mm

SENSING ELEMENT STRUCTURE

316L SS



CPT100

Acid Proof And Chemical Resistant Pressure Transmitter

ACCURACY

Analog output: $\pm 0.5\%$ of full span

PRESSURE RANGE

0~400 to 0~800kPa

0~0.4 to 0~0.8MPa

INPUT POWER

12~24VDC

OUTPUT SIGNAL

4~20mA DC 2-wire loop power

WORKING TEMPERATURE

Ambient: 15~50°C

Process: 15~90°C

BODY MATERIAL

PTFE (Option: PP or PFA)

SENSOR MATERIAL

Ceramic (Option: Sapphire)

PROCESS CONNECTION

1/4", 3/8", 1/2" Straight MF, MP, PT Thread male



CPT200

Acid Proof And Chemical Resistant Pressure Transmitter

ACCURACY

Analog output: $\pm 0.5\%$ of full span

DISPLAY

$\pm 0.5\%$ of full span +1 digit

PRESSURE RANGE

0~400 to 0~800kPa

0~0.4 to 0~0.8MPa

INPUT POWER

12 ~ 24VDC

OUTPUT SIGNAL

4~20mA DC 2-wire loop power

WORKING TEMPERATURE

Ambient: 15~50°C

Process: 15~90°C

BODY MATERIAL

PTFE (Option: PP or PFA)

SENSOR MATERIAL

Ceramic (Option: Sapphire)

PROCESS CONNECTION

1/4", 3/8", 1/2" Straight MF, MP, PT Thread male



Experience List

SAMSUNG BIOLOGICS



CELLTRION



LG CHEM



SK bioscience



Yuhan Corporation



GC Biopharma



Hanmi Pharm



Daewoong Pharmaceutical



JW PHARMACEUTICAL

KOLMAR KOREA

Medy-Tox

CJ CheilJedang



ORION Corp.

Samyang Holdings

LOTTE BIOLOGICS



WISE Worldwide

THE MIDDLE EAST

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UNITED ARAB
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OMAN
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LIBYA
IRAN

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GERMANY
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AFRICA

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NIGERIA
EGYPT

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JAPAN
CHINA
HONG KONG
TAIWAN

SOUTH EAST ASIA

AUSTRALIA
THAILAND
INDONESIA
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