

INSTRUMENTS FOR SHIPBUILDING AND OFFSHORE ENGINEERING

WISE

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Pressure
Instruments

Temperature
Instruments

Flow & Level
Instruments

WISE





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and Offshore Engineering Products.

Catalog

INSTRUMENTS
FOR
SHIPBUILDING AND
OFFSHORE
ENGINEERING

WISE

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

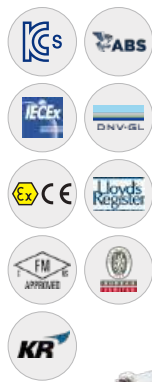
4~20mA with HART Protocol

FAILURE ALARM

CE CONFORMITY EMC DIRECTIVE

DEGREE OF PROTECTION

IP66/IP67



SMT3000

Temperature Transmitter

WORKING TEMPERATURE

Ambient: -40~65°C

POWER SUPPLY

10 ~ 42VDC

INPUT

Thermocouple: K, J, T, N, E, B, R, S
RTD: Pt 100Ω at 0°C

SHEATH MATERIAL

Thermocouple: 316L SS, Inconel 600, 310SS, 446SS, 347SS, 321SS
RTD: 316L SS

OUTPUT

4~20mA with HART Protocol

CE CONFORMITY EMC DIRECTIVE



RM200

Sheathed Type Resistance Temperature Detector

ELEMENT

Pt 100Ω at 0°C
TCR: 3,850ppm/k

HEAD MATERIAL

ALDC, 304SS, 316SS

TOLERANCES ON TEMPERATURE READING

Class A: $\pm(0.15 + 0.002 |t|)$
Class B: $\pm(0.3 + 0.005 |t|)$

SHEATH OUTER DIAMETER

3.2, 4.8, 6.4 and 8.0mm

PROTECTING TUBE OUTER DIAMETER

6.4, 8.0 and 10mm



RM300

Extension Lead Wire Thermocouple And Resistance Temperature Detector

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



RM430

Resistance Temperature Detector For Room And Refrigerator

HEAD

Aluminium casting

ELEMENT

Pt 100Ω at 0°C, 316L SS
TCR: 3,850ppm/k

PROTECTING TUBE OR SHEATH MATERIAL

304SS (Only tube type)
316L SS

PROTECTING TUBE OR SHEATH OUTER DIAMETER

6.4mm, 8mm

TOLERANCES ON TEMPERATURE READING

Class A: $\pm(0.15 + 0.002 |t|)$
Class B: $\pm(0.3 + 0.005 |t|)$



RM600

Tube Skin Thermocouple And Resistance Temperature Detector

ELEMENT

Thermocouple: K, E, J, T, N
RTD: Pt 100Ω at 0°C

TOLERANCES ON TEMPERATURE READING

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
Double element is not available for 1.0mm
sheath outer diameter



R940(ETR series)

Explosion Proof Thermocouple And Resistance Temperature Detector

ELEMENT

Thermocouple: K, E, J, T, N
RTD: Pt 100Ω at 0°C

HEAD MATERIAL

ALDC, 316SS

TOLERANCES ON TEMPERATURE READING

Thermocouple: Class 1, Class 2
RTD: Class A, Class B



F500

Orifice Plate & Flange Assembly

NOMINAL PIPE SIZE

25A-600A, 1"-24"

FLANGE MATERIAL

A105, A182-F304, A182-F316, A182-F11, Etc.

PLATE (ELEMENT) MATERIAL

316LSS, Monel, Hastelloy-C, Etc.

ORIFICE BORE TYPE

Concentric square edged
Quadrant edged orifice
Eccentric orifice
Segmental orifice

FLOW CALCULATION STANDARDS

ISO 5167-1 and 2

RANGEABILITY

5 : 1

ACCURACY

$\pm 1.0\%$ of Full Scale



H100

Explosion Proof Type Space Heater

HEATING ELEMENT
Ni-Cr(STD), Fe-Cr, Kantal

TUBE MATERIAL
304SS

AMBIENT TEMPERATURE
-40~70°C

H210

**Explosion Proof Type Space Heater
With Heatsink**

MATERIAL
Anodized aluminium(Black color)

AMBIENT TEMPERATURE
-60°C ≤ Tamb ≤ 115°C

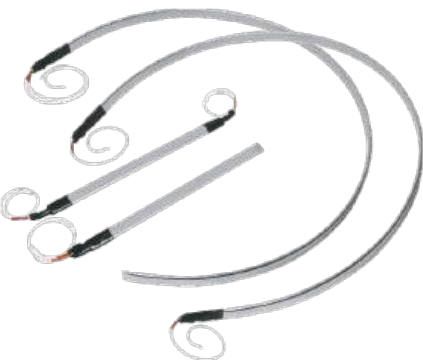
H300

**Explosion Proof Type Space Heater
With Temperature Switch**

HEATING ELEMENT
Ni-Cr

TUBE MATERIAL
304SS, 316SS

AMBIENT TEMPERATURE
T3: -60~140°C
T4: -60~115°C



UBS100

Temperature Switch

PERMISSIBLE TEMPERATURE RANGE

-20~115°C

ENCLOSURE RATING

IP65

EXPLOSION PROTECTION

KCs Ex nC IIC T6...T4

MATERIAL

316L SS

ELECTRICAL RATING

Max. 250Vac / 5A, 125Vac / 7A, 60Vdc / 2.2A

WTT-3100, WTT-3200

Temperature Transmitter

WORKING TEMPERATURE

-40~85°C

INPUT

Thermocouple: K, E, N, T, J, B, R, S
RTD: Pt 100Ω at 0°C

OUTPUT

4~20 mA with HART Protocol

L100

Reflex Type Level Gauge

MATERIAL

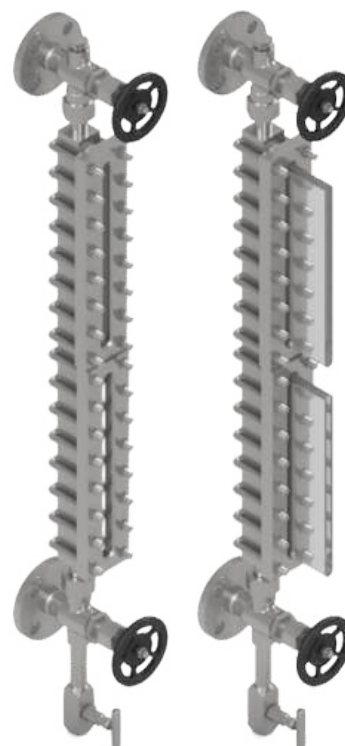
Carbon steel(C.S)
Stainless steel(304SS, 316SS)
Etc.

VESSEL CONNECTION

Flanged(1/2" to 1-1/2")
Screw and socket weld(1/2" to 1")

HOOK-UP

Top-bottom
Side-side



Experience List

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