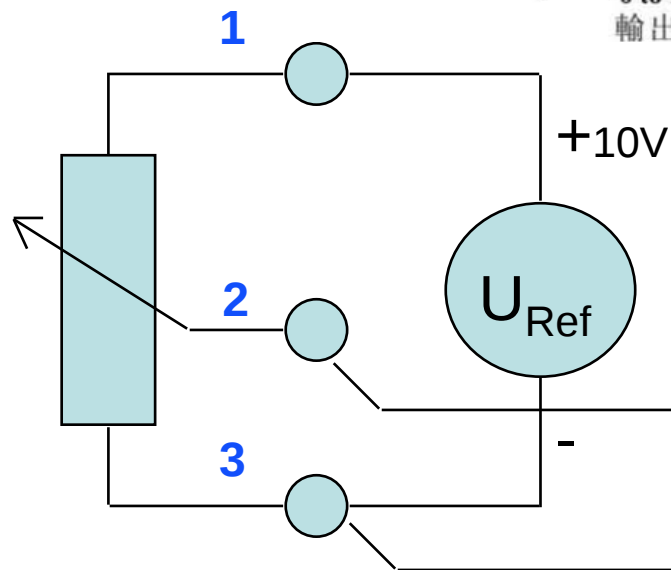
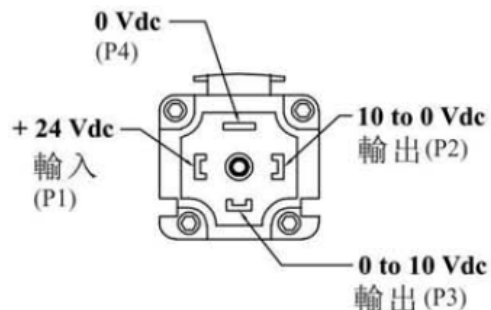


Replacing Potentiometers with 1800

電阻尺配線改成1800懸浮尺



電阻尺Potentiometer(old)

24 V — Pin 1

0 V — Pin 4

Pin 2(10~0v) or 3(0~10v)

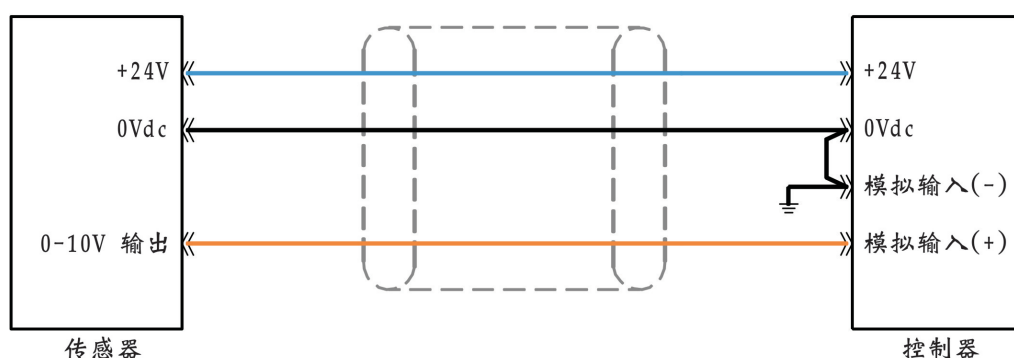
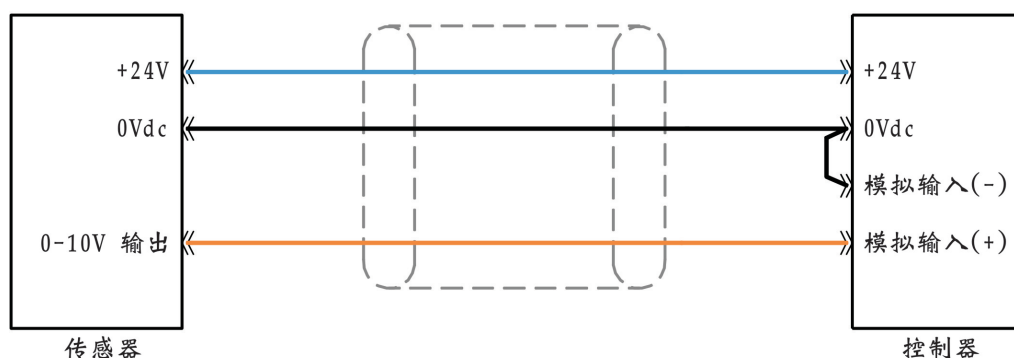
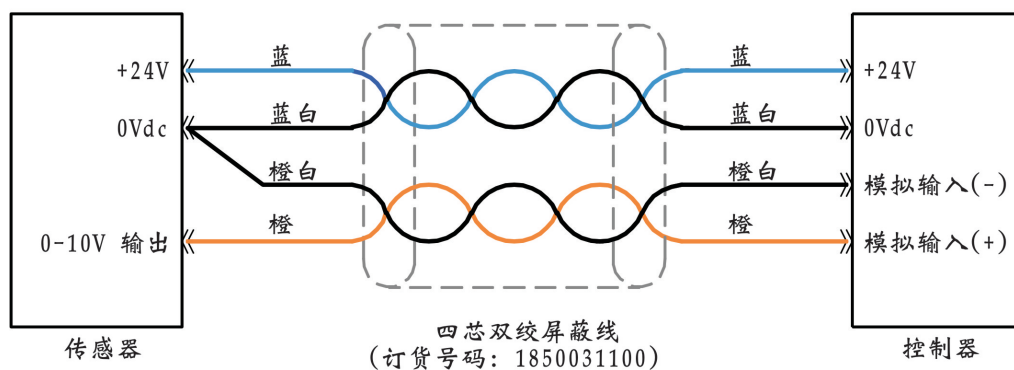
U_A

Pin 4

0 V_A

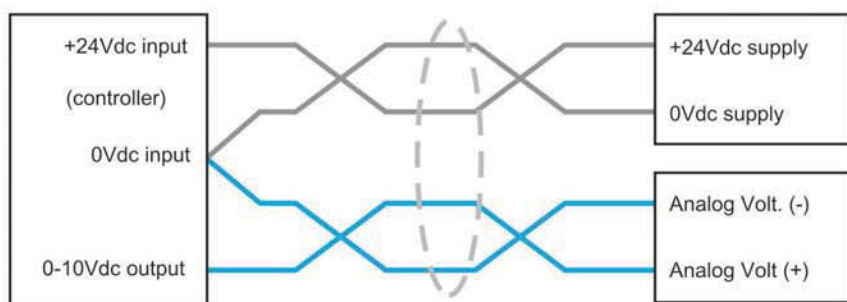
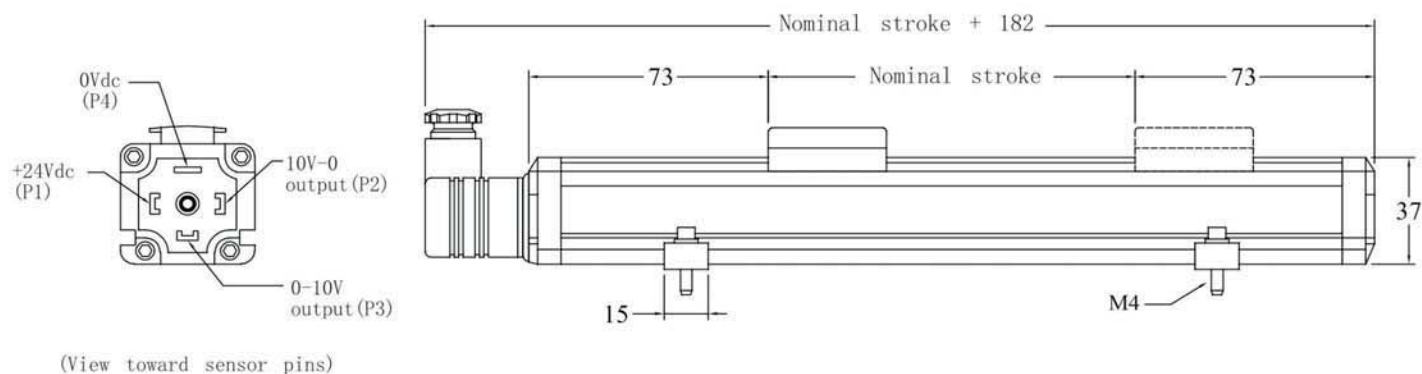
1800 懸浮尺(German Jet- 德敏哲)

接线说明

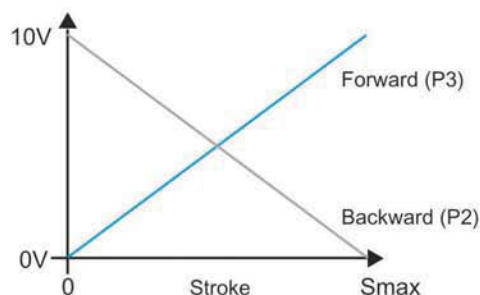


注意事项:

1. 请勿把控制器的模拟输入负极(-)直接接上机器内之0V或地线上,只可单一起上传感器的0V(橙白)线上。
2. 必须使用四芯双绞屏蔽线,最小尺寸为 0.2mm^2 。
3. 切勿把+24Vdc接至传感器0V及同时把0V接至讯号输出点,否则传感器会立即被烧毁。
(注意: 如发生上述情况并不包括在保修条款之内)



(connection example)



Order Code

1 8 0 X X X X X X X X

Output

0-10Vdc, 10-0Vdc Dual-output

Connector

0 = 4 pins connector (IP65)

3 = 4 pins connector (IP67)

Mounting (P.13)

1 = 42.5mm mounting

2 = 42.5mm isolation mounting

3 = 50mm mounting

Magnet Type (P.13)

1 = Captive

2 = Floating

3 = Die-cast

4 = Large floating

Stroke Length

0 1 0 0 , 0 1 3 0 , 0 1 5 0 , 0 1 7 5 , 0 2 0 0 , 0 2 2 5 , 0 2 7 5
0 3 0 0 , 0 3 6 0 , 0 4 0 0 , 0 4 2 5 , 0 4 5 0 , 0 5 0 0 , 0 5 2 5
0 5 5 0 , 0 6 0 0 , 0 6 5 0 , 0 7 0 0 , 0 7 5 0 , 0 8 0 0 , 0 8 7 5
0 9 0 0 , 0 9 5 0 , 1 0 0 0 , 1 1 0 0 , 1 2 5 0 , 1 3 5 0 , 1 5 0 0
1 6 0 0 , 1 7 5 0 , 2 0 0 0 , 2 2 5 0 , 2 5 0 0 , 2 7 5 0 , 3 0 0 0
3 2 5 0 , 3 5 0 0 , 4 0 0 0 (other length upon request)

Caution :

Please do not connect controller analog input (-) to machine 0V or ground. Only connect directly to transducer 0V (P4).

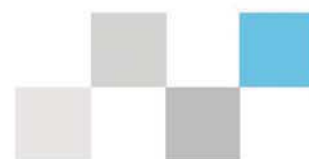
Use 4 wires shielded twisted pair cable, dia. 0.2mm.

Do not connect power supply +24Vdc to transducer 0Vdc, and at the same time connect power supply 0Vdc to transducer output. This will cause transducer permanent failure.

(Warning: warranty does not include such source of failure)

Included :

- Transducer
- Connector
- Mounting
- Magnet



Belden Wire & Cable Company

PRODUCT CODE
8102TECHNICAL
DATA SHEET

07-31-97 REV. 8

8102

I. DESCRIPTION:

24 AWG (7X32) TINNED COPPER, 24 AWG (7X32) TCDW, 2 PAIR,
CELLULAR POLYOLEFIN INSULATION WITH OVERALL POLYESTER/ALUM.
TAPE/TINNED COPPER BRAID SHIELD, PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 VRMS (TYPE CM)
30 VRMS (AWM 2919)

MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C: 1.8 A

NOM. CAPACITANCE BETWEEN
CONDUCTORS OF PAIR @ 1 KHZ: 12.5 PF/FT

NOM. CAPACITANCE CONDUCTOR TO
SHIELD @ 1 KHZ (ONE CONDUCTOR
TO OTHER CONDUCTORS & SHIELD: 22 PF/FT

NOM. IMPEDANCE OF PAIRS: 100 OHMS

NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C: 24 OHMS/1000 FT.

NOM. VELOCITY OF PROPAGATION: 78%

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -30 TO +80 DEG. C

INSULATION MATERIAL: CELLULAR POLYOLEFIN

JACKET MATERIAL (COLOR): PVC (CHROME)

TYPE SHIELD AND % COVERAGE: POLYESTER/ALUM TAPE &
65% T.C. BRAID OVERALL

MAX. PULLING TENSION 27.5 LBS

MIN. BEND RADIUS: 2.75"

NOM. WEIGHT/1000 FT.: 37 LBS

NOM. DIAMETER: .270"

APPLICABLE SPECIFICATIONS: UL CM, AWM2919, CEC C(UL) CM

FLAME RESISTANCE: UL 1581

IV. COLOR CODE:

PAIR NO.	COLOR COMBINATION
1	WHITE-BLUE STRIPE BLUE-WHITE STRIPE
2	WHITE-ORANGE STRIPE ORANGE-WHITE STRIPE

END OF DATA FOR PRODUCT - 8102
