WIRE IN PULSE CODER

PULSE CODER
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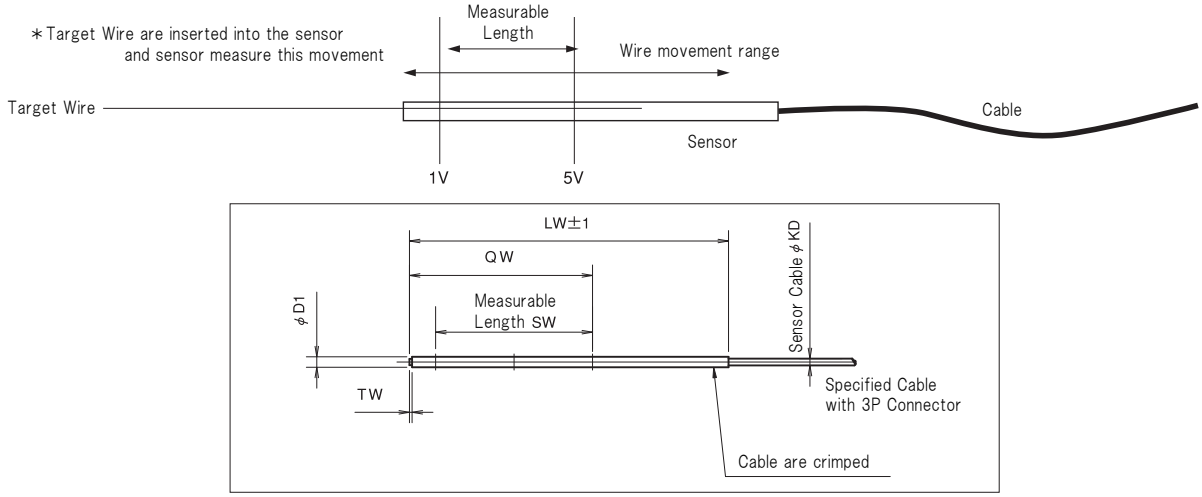
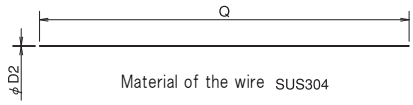
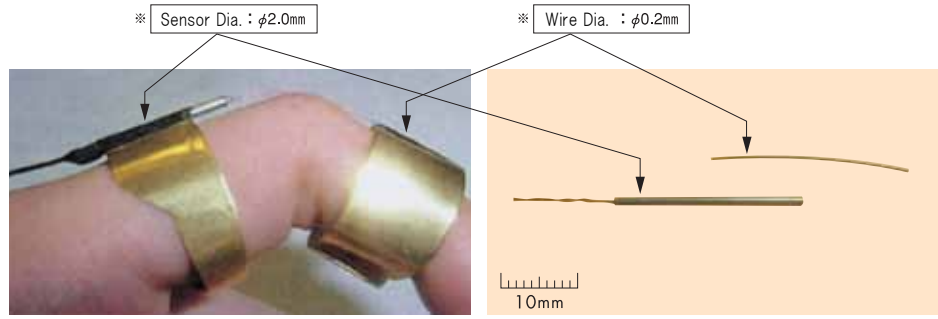


No.	TYPE	LW(L=mm)	QW(mm)	SW(M=mm)	TW(mm)	D1(φmm)	KD(φmm)	Cable Length(m)	Remarks
1	WP20-012	31	17	12	0.5~1.0	2	1.3	2	It have crimping mark for cable fixing
2	WP20-030	61	35	30	0.5~1.0	2	1.3	2	It have crimping mark for cable fixing

TARGET WIRE



No.	TYPE	Q(L=mm)	D2(mm)
1	WP20-012	80	0.2
2	WP20-030	100	0.2



P-ROD (PUSH ROD PULSE CODER)

PULSE CODER
PULSE CODER

PUSH ROD PULSE CODER
Mini PUSH ROD PULSE CODER

Spring type
displacement sensor

Durability is more than 10million !!

Very small push rod !!

measure displacement
and conduction

CLP80-020

Outer Diameter : Φ8mm
Product Length : 102.5mm+38.5mm (Moving rod)
Measurable Length : 20mm (Stroke 24mm)
Operating Temperature : −10~70℃
(no dew condensation)

Linearity : 1.5%/FS以下(23±5℃)
Measureble pressure : 1.7N or less
Response Freqiemcu : 16Hz

CLP35-008

Outer Diameter : Φ3.5mm
Product Length : 60mm+18.5mm (Moving rod)
Measurable Length : 8mm (Stroke 10mm)
Operating Temperature : −10~70℃ (Sensor and amplifier)
Measureble pressure : 0.5N or less

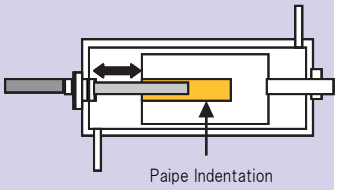
MINI PUSH ROD PULSE CODER

Outer Diameter : Φ1.5mm
Measurable Stroke : ~3mm

Application

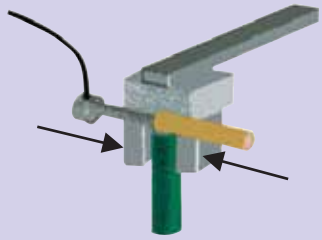
You can measure several situation which you can't recognize in past !!

LINEAR PULSE CODER



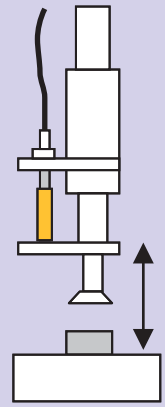
Hidraulic pneumatic cylinder position measurement

LINEAR PULSE CODER



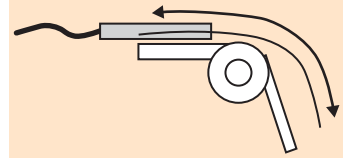
Handling equipment position measurement

LINEAR PULSE CODER



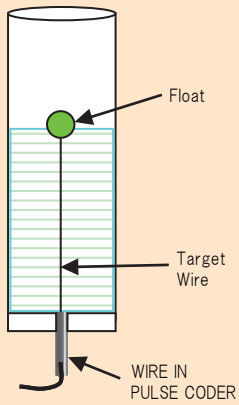
Small actuator position measurement

WIRE IN PULSE CODER



Flexibility Robot Position Measurement

WIRE IN PULSE CODER



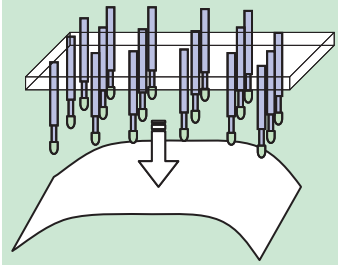
Fluid Level Measurement

WIRE IN PULSE CODER

LEVEX GLOBE

Finger operation measurement

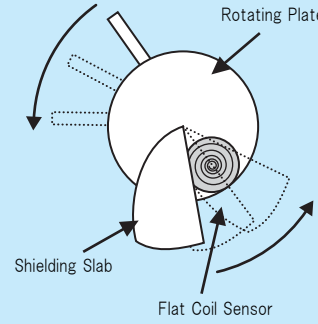
PUSH ROD PULSE CODER



Curve surface position measurement

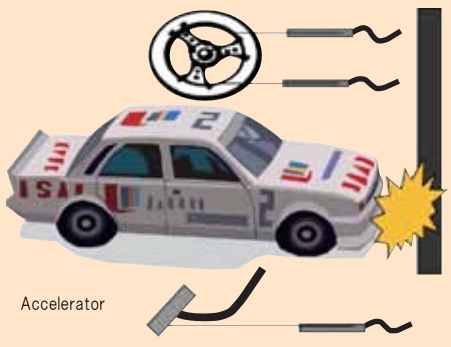
FLAT PULSE CODER PROX.

※Special Order



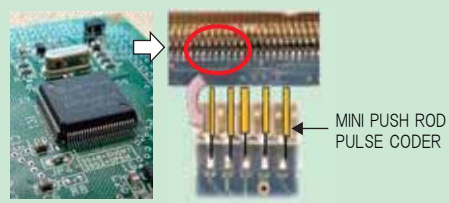
Angle detection

WIRE IN PULSE CODER



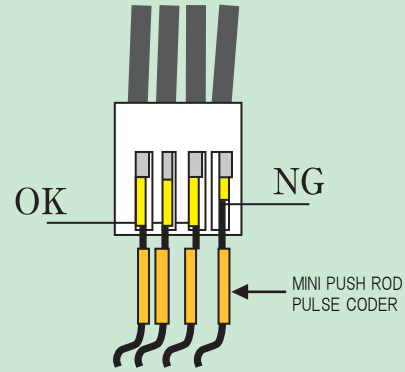
Crash Test

MINI PUSH ROD PULSE CODER



Soldering amount detecting

MINI PUSH ROD PULSE CODER



Connector pin position measurement

Specification

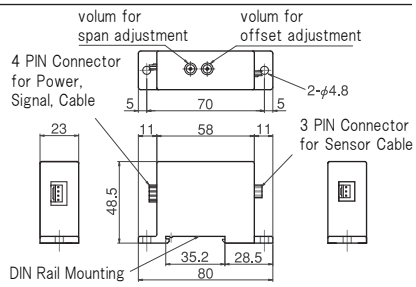
Specification of Sensor

		LP15	LP20	LP40	WP20
Sensor Rod Dia. (㎜)		1.5	2	4	2
Target	Material	Brass Pipe (C2700)			SUS304 Wire
	Outside Diameter (mm)	φ3(−0.01,−0.05)	φ4(−0.01,−0.05)	φ6(−0.01,−0.05)	φ0.2
	Inside Diameter (mm)	φ2(±0.03)	φ3(±0.03)	φ5(±0.03)	−
Measurable Length (㎜)		14	5	10	12
		−		16	30
		−		25	−
		−		40	−
Linearity		※2 ±1%/FS or less			※2 ±2%/FS or less
※1 Temperature Infuluence		1%/FS or less(0 ~60℃)			2%/FS or less(0 ~60℃)
Operating Temperature		−20℃~80℃			
Lead Cable		Length : 2m, Dia. 3.4mm(with specified 3pin connector)			Length : 2m, Dia. :1.3mm (with specified 3pin connector)
Protection Class		IP64			
Pressure Resistant		Oil Pressure Resistant : 21 MPa resultsone's record			
Magnetic Rield Resistant		0.2T (Tesla)			

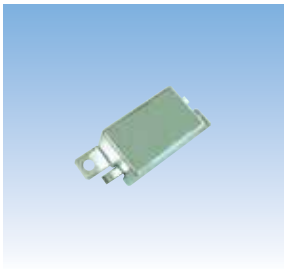
※1) Temperature Infuluence is the middle point of measurement range ※2) Output error from ideal Line

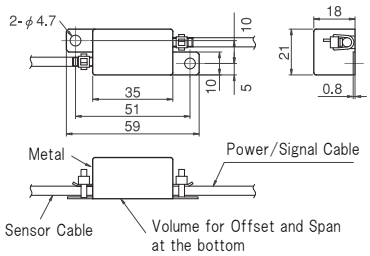
Amplifier

■Standard Amplifier / Type: CV05



■Sub Standard Amplifier / Type: CVS5





Specification of Amplifier

	CV05	CVS5
Power Supply	DC 12V~24V ±10%	DC 9V~16V ±10%
Current Consumption	40mA or less	
Signal Output Voltage	Analogue output 1 ~ 5V (Current output 4 ~ 20 mA is also possible as special order)	
Resolution	Approx. 1/2000 of the entire measurement area	
Response Frequency	4kHz	
Operating Temperature	−20℃~80℃	
※Temperature Infuluence	0.025% of FS/℃以下(0~60℃)	
Attached Cable	Specified Cable 2m (4PIN connector, φ4mm) Color: Brown/Power V+, Black/Power GND, Orange/Signal GND, Blue/Signal V+	
Diameter	W23mm×D58mm×H48.5mm	W21mm×D35mm×H18mm

※) Temperature Infuluence is the middle point of measurement range