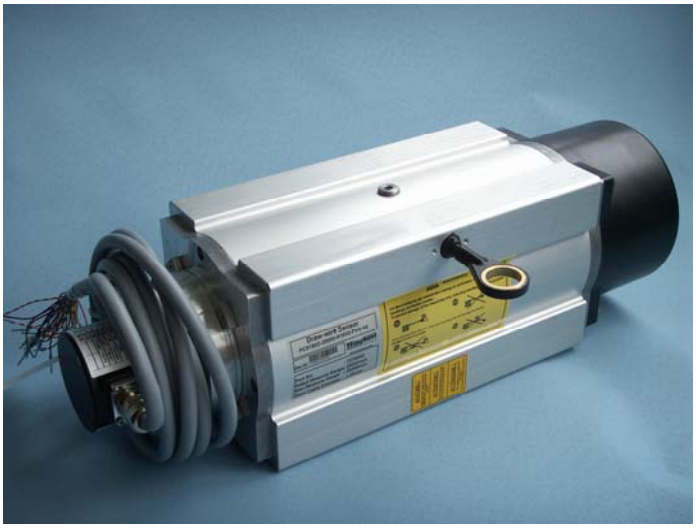
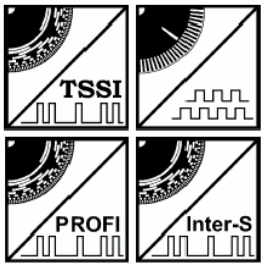
PCS190D, PCS190P cable pull linear encoder

Absolute encoder, incremental encoder output



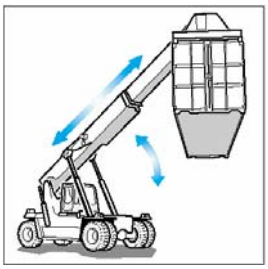
Compact design suitable for industry application

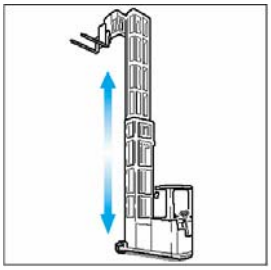
- IP class IP65
- Incremental and absolute encoder output
- Measure range 20000, 25000mm

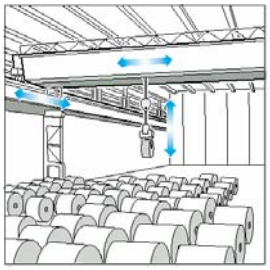


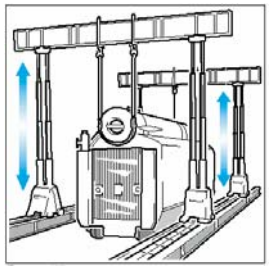
Technical feature	Electric output:	Muti-turns absolute encoder with SSI，PROFIBUS，DEVICENET,CAN，AS-interface, INTERBUS etc. Incremental encoder: 10-30VDC push-pull，5V RS422，10-30VDC RS422。
	Resolution:	333.3mm/Rot ± 0.17mm
	Material:	Aluminum，stainless steel, copper , POM Wire：stainless steel(1.35mm)
	Sensing Unit:	Multi-turns absolute encoder or incremental encoder.
	Connection:	Pin connector or Cable outlet
	Accuracy:	±1.5mm
	working environment: EMC: Temperature:	 Depend on the encoder（EN50081-1） -20°C—+70°C
	Force on wire: Min: Max:	 10N 20N
	Shock and vibration:	Depend on：DIN EN60028-2-27，100g，3ms DIN EN60028-2-6，10g，10….2000HZ
	Lifetime (see note)	1000,000cycles
	IP class:	IP65
	Weight:	Approx. 6.5Kg

Application Example:









PCS190D, PCS190P cable pull linear encoder

Absolute encoder, incremental encoder output

Type code：

PCS130 **PCS190D** — ☐ — ☐ — **SSI** — ☐

Serial Type

PCS190D Absolute encoder
PCS190P Incremental encoder

Range（mm）

20000
25000

mm/pulse

RST 0.08137mm/ Pulse（absolute or incremental encoder）
RHR 0.04069mm/Pulse (only absolute encoder 13 bit/turn）

Signal output

SSI 12x12Bits
PRFI PROFIBUS interface
DEVICE DEVICENET interface
INTER INTERBUS interface
CAN CAN interface
ASI AS-interface interface
PUPL 10-30VDC，A+B+O，Push-pull(only 130P)
RS422 5VDC，A+B+O and A/+B/+O/ output（only PCS130P）
RS422A 10-30VDC，A+B+O and A/+B/+O/ output（only PCS130P）
***** option enquiry

Protection

65 IP65

Safety warning：Never let snap back the wire. Free back-running wire will damage the device.

Note: Lifetime

The lifetime depends on type of load. Specified values are average. The lifetime may be decreased by fast, long-distance movements and may be increased, if slowlyshort-distance movements are applied.

Housing and mounting dimension: