

PR6211 Series Compression Type Compact Stainless Steel Load Cell

2022/09/20

Minebea Intec

Features



- Gage is applied using sputtering technology to dramatically improve strength and accuracy. PR6211 (rated 30~300kg) maximum allowable load > 500kg. High temperature (LT: rated 500kg~5t) version is available for up to 180°C
- Stainless steel housing: SUS630 equivalent
- Completely waterproof IP68
- Lateral load relief mechanism

Specification

Specification name	Specification contents
OIML Accuracy class	D1
Accuracy class	0.05E _{max}
Safe load limit	> 500kg
Rated output	2.0mV/V
Rated output tolerance	< 0.25% C _n
Zero balance	< 2.0% C _n
Reproducibility	< 0.01% C _n
Creep	< 0.03% C _n
Non-linearity	< 0.05% C _n
Hysteresis	< 0.05% C _n

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Temperature effect on Zero	<0.042%Cn/10K
Temperature effect on Span	<0.03%Cn/10K
Input resistance	1288Ω~1312Ω
Rated output	1198Ω~1202Ω
Insulation resistance	>5000×10 ⁶ Ω
Nominal supply voltage	4~24V
Maximum supply voltage	25V
Nominal ambient temperature range	-10°C~+85°C
Usable ambient temperature range	-40°C~+95°C
Storage ambient temperature range	-40°C~+95°C
Class of protection	IP68 / IEC 529 (completely waterproof · water depth 1.5m 10000h)
Material of element	Body: Stainless steel 1.4542 (DIN 17 440) S 604, S 622 (B.S) equivalent
Cable specification	Polyethylene, 4-core shield cable Length 5m/Diameter 5mm/cable 4×0.35mm ²
Wiring specification	Applied voltage +red/-blue Output signal +green/-ash
Accessories	Earth wire 1pc

Table of P/N

Parts No.	Rated Capacity [tf]	Weight [kg]	Gross Weight [kg]	Packaged Size(W) [cm]	Packaged Size(L) [cm]	Packaged Size(H) [cm]
PR6211/31 D1	0.03	0.14	0.31	24	18	8
PR6211/51 D1	0.05	0.14	0.31	24	18	8
PR6211/12 D1	0.1	0.14	0.31	24	18	8
PR6211/22 D1	0.2	0.14	0.31	24	18	8
PR6211/32 D1	0.3	0.14	0.31	24	18	8

Parts No.	Specification sheet	Instruction Manual
PR6211/31 D1	211PR6211_D1-31_32.pdf	KT60858-1A.pdf
PR6211/51 D1	211PR6211_D1-31_32.pdf	KT60858-1A.pdf
PR6211/12 D1	211PR6211_D1-31_32.pdf	KT60858-1A.pdf

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PR6211/22 D1	211PR6211_D1-31_32.pdf	KT60858-1A.pdf
PR6211/32 D1	211PR6211_D1-31_32.pdf	KT60858-1A.pdf

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