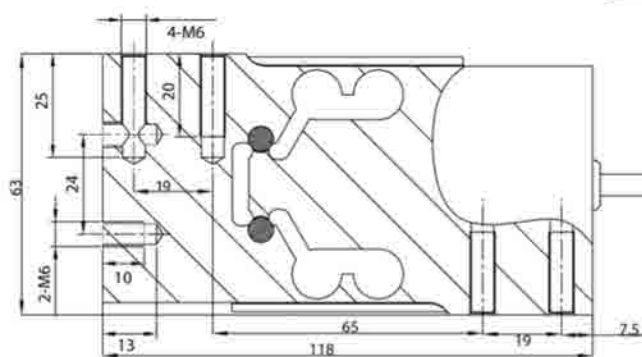


Specifications



S-PW22

Single point load cell



100F26-6), 6-pole

Plug only with Option = N (no Explosion Protection)



Shield (yellow) = Shield connected to load cell body

Wrap connection 1 (white) = Measurement signal (+)

Wrap connection 2 (red) = Measurement signal (-)

Wrap connection 3 (black) = Excitation voltage (-)

Wrap connection 4 (blue) = Excitation voltage (+)

Wrap connection 5 (green) = Sense lead (+)

Wrap connection 6 (grey) = Sense lead (-)

blue marking

Type		C3 Multi Range (MR)						
Accuracy class ¹⁾		3000						
Maximum number of load cell intervals	n_{LC}							
Maximum capacity	E_{max}	kg	6	10	20	30	50	90
Minimum LC verification interval	V_{min}	g	0.5	1	2	2	5	10
Max. platform size		mm	400 x 400					
Sensitivity	C_n	mV/V	1.9 ± 0.1					
Zero signal (without pre load)			0 ± 0.1					
Temperature effect on zero balance	TK_0	% of C_n / 10 K	± 0.0117	± 0.0140	± 0.0140	± 0.0093	± 0.0140	± 0.0155
Ratio of minimum verification interval	Y		12,000	10,000	10,000	15,000	10,000	9,000
Temperature effect on sensitivity ²⁾ in the temperature range +20 ... +40 °C -10 ... +20 °C	TK_C	% of C_n / 10 K	± 0.0175 ± 0.0117					
Relative reversibility error ²⁾	d_{ry}		± 0.0166					
Linearity deviation ²⁾	d_{lin}		± 0.0166					
Ratio of minimum dead load output return	DR	% of C_n	± 0.0166					
Off-center load error ³⁾			± 0.0233					
Input resistance	R_{LC}	Ω	300...500					
Output resistance	R_0		300...500					
Reference excitation voltage	U_{ref}	V	5					
Nominal range of excitation voltage	B_U	V	1...12					
Max. excitation voltage		V	15					
Isolation resistance at 100 V _{DC}	R_{is}	GΩ	> 2					
Nominal (rated) range of ambient temperature	B_T	°C [°F]	-10 ... +40 [14 ... 104]					
Operating temperature range	B_{tu}		-10 ... +50 [14 ... 122]					
Storage temperature range	B_{st}		-25 ... +70 [-13 ... 158]					
Limit load at 120 mm eccentricity	E_L		150					
Lateral load limit, static	E_{lq}		> 300					
Permissible dyn. load; with max. 50 mm eccentricity	F_{srel}	% of E_{max}	70					
Breaking load at 20 mm eccentricity	E_d		500					
Nominal (rated) displacement at E_{max} , approx.	s_{nom}	mm	< 0.2					
Resonance frequency, without load, approx.		Hz	280	380	540	660	866	1015
Weight, approx.	G	kg	0.5					
Degree of protection ⁴⁾			IP67					
Material: Measuring body			Aluminum					
Application protection			Silicone rubber					
Cable sheath			PVC					

Features:

- * Max capacity 6-90kg
- * Aluminum
- * Integrated overload Protection
- * Optimized for Dynamic Weighing
- * Sensitivity 1.9 mV/V +/- 0.1
- * Total error C3 % F/S/
- * Protection IP67
- * 2Meter 6 cond. cable