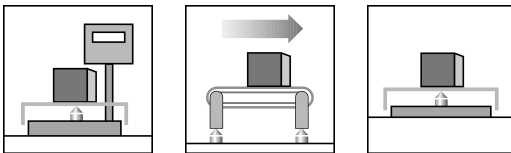
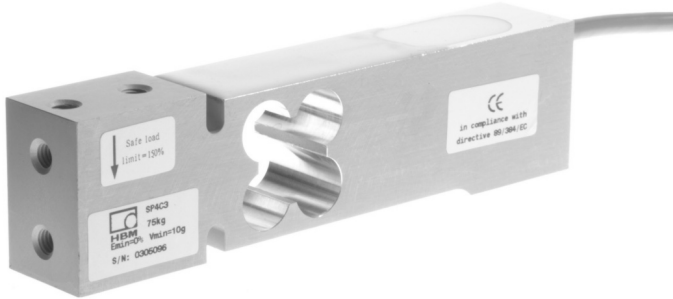


# SP4C3

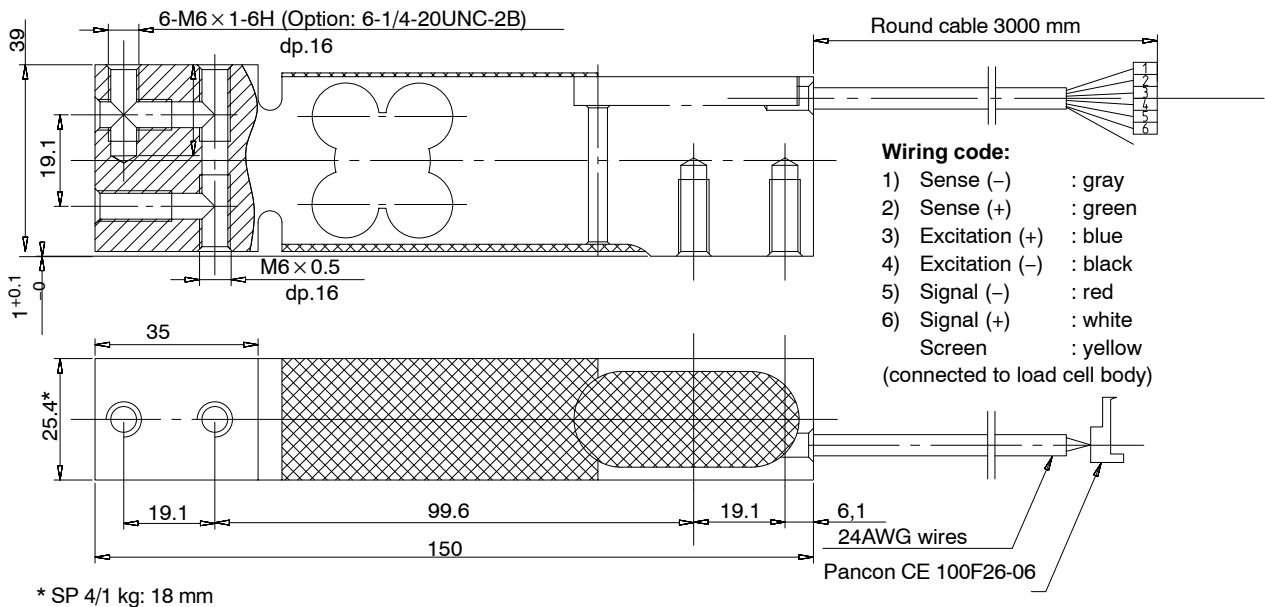
## Single point load cell

### Special features

- Accuracy class C3 according to OIML-R60 approval
- Off center load compensated (OIML R76)
- Protection class IP65 according to EN 60 529
- shielded connection cable



### Dimensions (in mm; 1 mm= 0.03937 inches)



# Specifications

Type		SP4C3												
Accuracy class		C3												
Max. number of load cell intervals ( $n_{LC}$ )		3000												
Maximum capacity ( $E_{max}$ )	kg	1	3	5	7	10	15	20	30	50	75	100	200	
Minimum LC verification interval ( $v_{min}$ )	g	0.2	0.5	1	1	2	2	5	5	10	10	20	50	
Temperature effect on zero balance ( $TK_0$ )	% of $C_n$ /10 K	± 0.0280	± 0.0233	± 0.0280	± 0.0200	± 0.0280	± 0.0186	± 0.0350	± 0.0233	± 0.0280	± 0.0186	± 0.0280	± 0.0350	
Maximum platform size	mm	300 × 300					450 × 450			600 × 600				
Sensitivity ( $C_n$ )	mV/V	2.0 ± 10 % (1 kg: 1.8 ± 10 %)												
Zero balance		0 ± 0.1												
Temperature effect on sensitivity ( $TK_C$ ) <sup>1)</sup> Temperature range +20 °C...+40 °C [+68 °F...+104 °F] -10 °C...+20 °C [+14 °F...+68 °F]	% of $C_n$ /10 K	± 0.017 (Reference value) ± 0.011 (Reference value)												
Non-linearity ( $d_{lin}$ ) <sup>1)</sup> Hysteresis error ( $d_{hy}$ ) <sup>1)</sup> Minimum dead load output return (DR) Off center load error <sup>2)</sup>	% of $C_n$	± 0.015 (typ.) ± 0.015 (typ.) ± 0.0166 ± 0.0233												
Input resistance ( $R_{LC}$ ) Output resistance ( $R_0$ )	Ω	420 ± 10 350 ± 5												
Reference excitation voltage ( $U_{ref}$ ) Nominal range of excitation voltage ( $B_U$ ) Maximum excitation voltage	V	5 0 ... 12 15												
Insulation resistance ( $R_{is}$ ) at 100 V <sub>DC</sub>	GΩ	>2												
Nominal temperature range ( $B_T$ ) Operating temperature range ( $B_{tu}$ ) Storage temperature range ( $B_{tl}$ )	°C [°F]	-10 ... +40 [+14 ... +104] -20 ... +50 [-4 ... +122] -30 ... +70 [-22 ... +158]												
Safe load limit ( $E_L$ ) Lateral load limit ( $E_{lq}$ ), static Breaking load ( $E_d$ )	% of $E_{max}$	150 300 300												
Material: Measuring element Coating Cable sheath		Aluminium Silicone rubber PVC												

1) The data of Non-linearity ( $d_{lin}$ ), Hysteresis error ( $d_{hy}$ ) and Temperature effect on sensitivity ( $TK_C$ ) are typical values. the sum of these data meets the requirements according to OIML R60.

2) All relative error specified refer to Sensitivity. Off center load error according to OIML R76 class III.

Modifications reserved.

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