

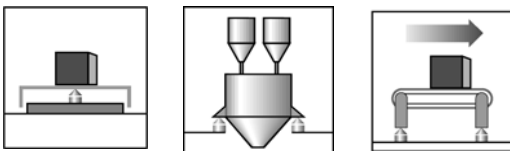
# PWSE

## Platform load cell

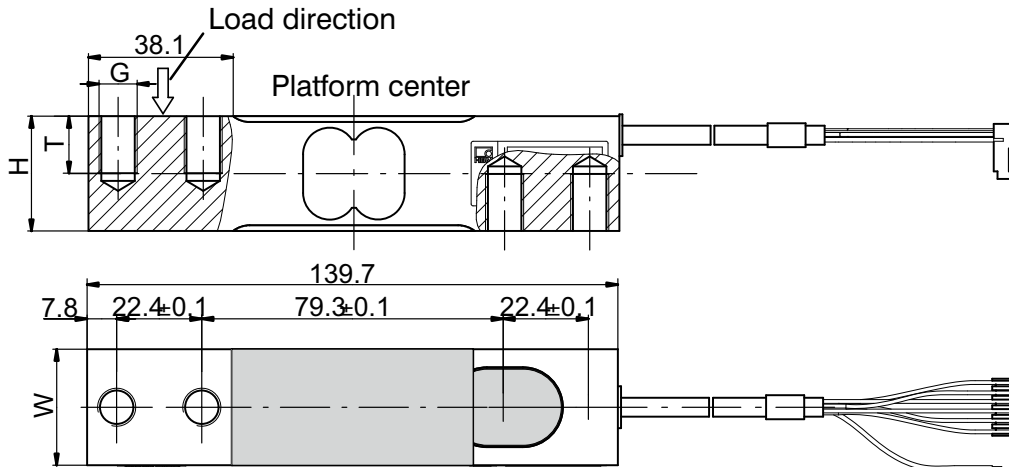


### Characteristic features

- Accuracy class C3MR with OIML R60 test report
- Maximum capacities 100kg ... 750kg
- Off-center load compensated (OIML R76)
- Complies with EMC guidelines
- Six-wire configuration
- Platform size 600 x 800mm
- Stainless steel



Dimensions (in mm; 1 mm = 0.03937 inch)



Maximum capacity	H	W	G			T
			Thread	Min. property class	Tightening torque	
100 ... 200 kg	30.2	30.5	M10	10.9	66 N·m	15
300 kg	36.5	36.5	M10	10.9	66 N·m	19
500 ... 750 kg	36.5	36.5	M12	10.9	115 N·m	19

## Specifications

Type		PWSE				
Accuracy class <sup>1)</sup>		C3MR				
Max. number of scale intervals ( $n_{LC}$ )		3000				
Maximum capacity <sup>1)</sup> ( $E_{max}$ )	kg	100	200	300	500	750
Minimum scale division ( $v_{min}$ )	g	10	20	20	50	50
Temperature coefficient of zero signal <sup>3)</sup> ( $TK_0$ )	% of $C_n$ / 10 K	$\pm 0.0140$	$\pm 0.0140$	$\pm 0.0093$	$\pm 0.0140$	$\pm 0.0093$
Platform size	mm	600 x 800				
Maximum platform size	mm	800 x 800				
Nominal (rated) sensitivity ( $C_n$ )	mV/V	2.0 $\pm$ 0.2				
Zero signal (without initial load)		0 $\pm$ 0.1				
Temperature coefficient of sensitivity ( $TK_C$ ) <sup>2)3)</sup> In the range +20 ... +40°C [+68 ... +104°F] In the range -10 ... +20°C [+14 ... +68°F]	% of $C_n$ / 10 K	$\pm 0.0170$ $\pm 0.0117$				
Relative reversibility error ( $d_{hy}$ ) <sup>2)3)</sup>	% of $C_n$	$\pm 0.0166$				
Relative linearity error ( $d_{lin}$ ) <sup>2)3)</sup>	% of $C_n$	$\pm 0.0166$				
Relative creep over 30 min ( $d_{cr}$ )	% of $C_n$	$\pm 0.0166$				
Off-center load error <sup>3)</sup>		$\pm 0.0100$				
Input resistance ( $R_{LC}$ )	$\Omega$	390 $\pm$ 15				
Output resistance ( $R_O$ )		359 $\pm$ 10				
Reference excitation voltage ( $U_{ref}$ )	V	5				
Nominal excitation voltage range ( $B_U$ )		1 ... 12				
Maximum excitation voltage		15				
Insulation resistance ( $R_{is}$ ) at 100 V <sub>DC</sub>	G $\Omega$	> 2				
Nominal ambient temperature range ( $B_{T, nom}$ )	°C [°F]	-10 ... +40 [+14 ... +104°F]				
Operating temperature range ( $B_{T, G}$ )		-10 ... +50 [+14 ... +122°F]				
Storage temperature range ( $B_{T, S}$ )		-25 ... +70 [-13 ... +158°F]				
Limit load ( $E_L$ ) at 100 mm eccentricity	% of $E_{max}$	150				
Limit lateral loading ( $E_{lq}$ ), static		300				
Breaking load ( $E_d$ )		300				
Nominal (rated) displacement ( $s_{nom}$ ) <sup>4)</sup>	mm	<0.5				
Weight (G), approx.	kg	0.9	0.9	1.1	1.2	1.2
Degree of protection per EN 60529 (IEC529)		IP 67				
Cable length		Standard 3 m				
Material: Measuring body		Stainless steel 1.4545				
Cable sheath		PVC				

<sup>1)</sup> As per OIML R60, with  $P_{LC} = 0.7$ .

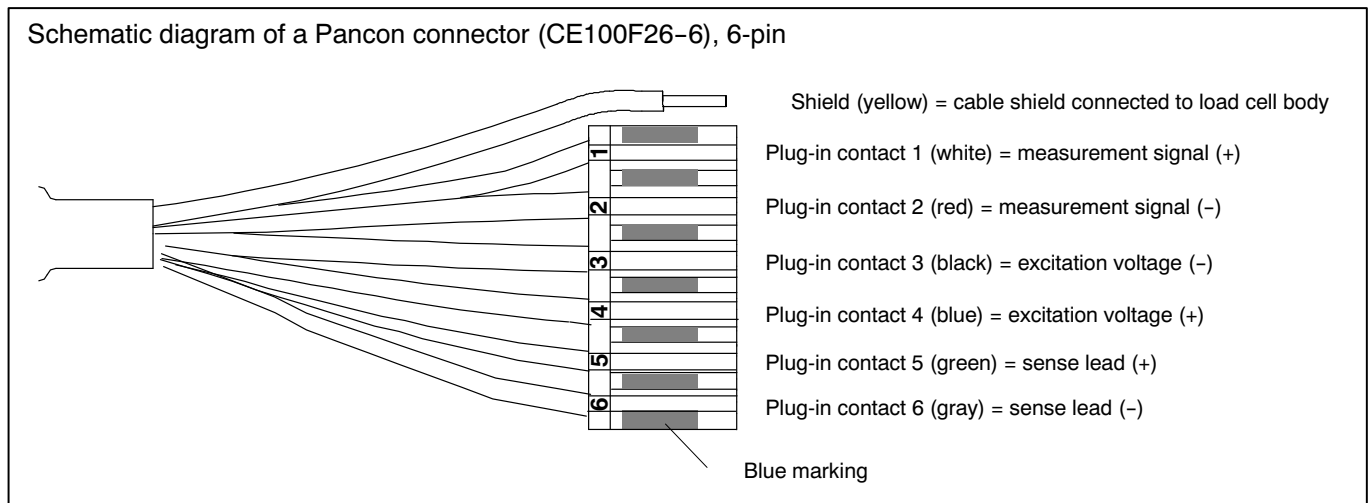
<sup>2)</sup> The values for temperature coefficient of sensitivity ( $TK_C$ ), relative reversibility error ( $d_{hy}$ ) and non-linearity ( $d_{lin}$ ) are recommended values. The sum of these values is within the cumulative error limits according to OIML R60.

<sup>3)</sup> As per OIML R76.

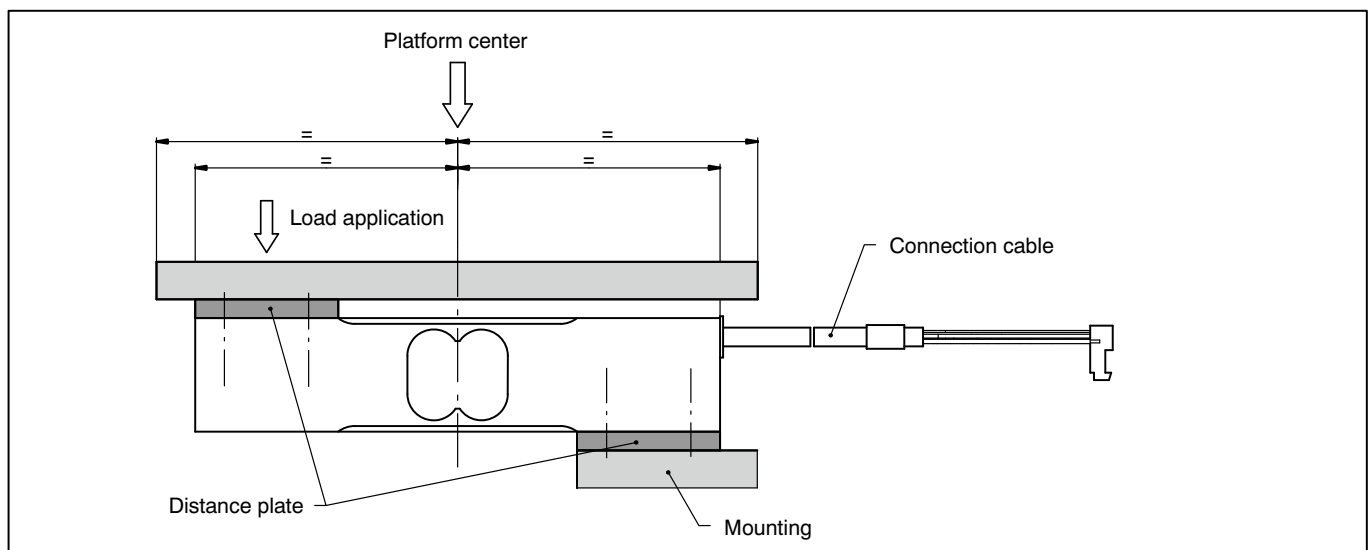
<sup>4)</sup> Loading with  $E_{max}$  and center of gravity in center of load cell.

## Cable assignment

### 6-wire cable connection



## Mounting instructions



## Order numbers (overview)

PWSE... (Stainless steel)

Type	PWSE standard versions
Accuracy class	C3-MR (OIML)
Comments	Cable length 3m (six-wire configuration)
Maximum capacity	Order number
100 kg	1-PWSEC3/100KG-1
200 kg	1-PWSEC3/200KG-1
300 kg	1-PWSEC3/300KG-1
500 kg	1-PWSEC3/500KG-1
750 kg	1-PWSEC3/750KG-1

Modifications reserved.

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