

SENSiQ® PWS

Platform load cell 10 ... 700 kg

- Very low corner load error
- Good cost-benefit ratio
- Available in accuracies of 0.05% and legal-for-trade design
- Option PWS Plus – Improved protection against increased humidity
- ATEX and IECEx certification
- Optimized by exact calibration for parallel circuits
- Six-wire circuitry
- 100% stainless steel



Application

SENSiQ PWS load cells convert proportionally the mechanical input variable force into the electrical variable voltage. They are ideal for use in platform scales, weighfeeders and bin weighers. The compact design facilitates planning into any given construction.

Construction

The PWS load cells are produced entirely from stainless steel. They are connected electrically by a high-quality, 6-wire screened PVC cable. The six-wire circuitry makes the measuring signal insensitive to differences in lengths of the connection cables.

Function

- High calibration accuracy which provides ideal conditions for the parallel arrangement of load cells
- High reproducibility of the measuring signals
- Extremely low interference by transverse loads of the measured values

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Variants

Emax = Nominal Load	Accuracy Class	Material No.	A	B	C	Tightening Torque	Nominal Measured Displacement	Design	ATEX Category
10 kg	D1	V058895.B01	8.5	M8	23.8	32 N m	0.30 mm	Normal	
30 kg	D1	V058895.B02	8.5	M8	30.7	32 N m	0.35 mm	Normal	
60 kg	D1	V058895.B03	8.5	M8	30.7	32 N m	0.35 mm	Normal	
100 kg	D1	V058895.B04	8.5	M8	30.7	32 N m	0.45 mm	Normal	
150 kg	D1	V058895.B05	8.5	M8	30.7	32 N m	0.45 mm	Normal	
300 kg	D1	V058895.B06	8.5	M8	30.7	32 N m	0.50 mm	Normal	
500 kg	D1	V058895.B07	10.4	M10	36.5	79 N m	0.50 mm	Normal	
700 kg	D1	V058895.B08	10.4	M10	36.5	79 N m	0.50 mm	Normal	

PWS Plus	30 kg	D1	V741556.B02	8.5	M8	23.8	32 N m	0.30 mm	Protection against increased humidity	
	60 kg	D1	V741556.B03	8.5	M8	23.8	32 N m	0.30 mm	Protection against increased humidity	
	100 kg	D1	V741556.B04	8.5	M8	23.8	32 N m	0.30 mm	Protection against increased humidity	
	150 kg	D1	V741556.B05	8.5	M8	23.8	32 N m	0.30 mm	Protection against increased humidity	
	300 kg	D1	V741556.B06	8.5	M8	23.8	32 N m	0.30 mm	Protection against increased humidity	
	500 kg	D1	V741556.B07	10.4	M10	36.5	79 N m	0.50 mm	Protection against increased humidity	
	700 kg	D1	V741556.B08	10.4	M10	36.5	79 N m	0.50 mm	Protection against increased humidity	

10 kg	C3	V058896.B01	8.5	M8	23.8	32 N m	0.30 mm	Increased accuracy	
30 kg	C3	V058896.B02	8.5	M8	30.7	32 N m	0.35 mm	Increased accuracy	
60 kg	C3	V058896.B03	8.5	M8	30.7	32 N m	0.35 mm	Increased accuracy	
100 kg	C3	V058896.B04	8.5	M8	30.7	32 N m	0.45 mm	Increased accuracy	
150 kg	C3	V058896.B05	8.5	M8	30.7	32 N m	0.45 mm	Increased accuracy	
300 kg	C3	V058896.B06	8.5	M8	30.7	32 N m	0.50 mm	Increased accuracy	

10 kg	D1	V058895.B31	8.5	M8	23.8	32 N m	0.30 mm	ATEX / IECEx	1D/2G
30 kg	D1	V058895.B32	8.5	M8	30.7	32 N m	0.35 mm	ATEX / IECEx	1D/2G
60 kg	D1	V058895.B33	8.5	M8	30.7	32 N m	0.35 mm	ATEX / IECEx	1D/2G
100 kg	D1	V058895.B34	8.5	M8	30.7	32 N m	0.45 mm	ATEX / IECEx	1D/2G
150 kg	D1	V058895.B35	8.5	M8	30.7	39 N m	0.45 mm	ATEX / IECEx	1D/2G
300 kg	D1	V058895.B36	8.5	M8	30.7	39 N m	0.50 mm	ATEX / IECEx	1D/2G
500 kg	D1	V058895.B37	10.4	M10	36.5	79 N m	0.50 mm	ATEX / IECEx	1D/2G
700 kg	D1	V058895.B38	10.4	M10	36.5	79 N m	0.50 mm	ATEX / IECEx	1D/2G

10 kg	D1	V058895.B41	8.5	M8	23.8	32 N m	0.30 mm	ATEX / IECEx	3GD
30 kg	D1	V058895.B42	8.5	M8	30.7	32 N m	0.35 mm	ATEX / IECEx	3GD
60 kg	D1	V058895.B43	8.5	M8	30.7	32 N m	0.35 mm	ATEX / IECEx	3GD
100 kg	D1	V058895.B44	8.5	M8	30.7	32 N m	0.45 mm	ATEX / IECEx	3GD
150 kg	D1	V058895.B45	8.5	M8	30.7	39 N m	0.45 mm	ATEX / IECEx	3GD
300 kg	D1	V058895.B46	8.5	M8	30.7	39 N m	0.50 mm	ATEX / IECEx	3GD
500 kg	D1	V058895.B47	10.4	M10	36.5	79 N m	0.50 mm	ATEX / IECEx	3GD
700 kg	D1	V058895.B48	10.4	M10	36.5	79 N m	0.50 mm	ATEX / IECEx	3GD