#### Force Transducers for Measuring the Web / Spindle Tension

## 🚹 FEATURES

- Range of measurement: from 100N to 2kN
- Accuracy class: 0.5%
- Corrosion resistant
- Internally generated calibration signal
- Orientation of the axis of maximum sensitivity for 35 independently from the position of the fixing holes
- Grade of protection: Ip65 (DIN 40050)
- Integrated protection against overloads.

# 📝 TECHNICAL SPECIFICATION

Model		WT
Accuracy		0.50%
Nominal full scale load	(Ln)	100N2kN
Nominal output at FSO		2mV/V
Output tolerance at Ln		<± 1% FSO
Combined errors: Non linearity, Hysteresis, Repeatability		< ± 0.5% FSO
Creep (after 30 min. at Ln)		< ± 0.06% FSO
Zero load out of balance signal		< ± 1% FSO
Thermal drift in	Sensitivity	< ± 0.005% FSO°C
compensated	Zero	< ± 0.01% FSO°C
range	Calibration	-
Nominal bridge resistance		350 Ohm
Isolation resistance		> 10 GOhm
Nominal supply voltage		10V
Maximum supply voltage		15 V
Compensated temperature range		-10+50°C
Maximum temperature	-20+60°C	
Storage temperature ra	-30+80°C	
Permitted static load	100% Ln	
Maximum applicable lo	300% Ln	
Rupture load		> 500% Ln [6 kN max.]
Maximum static lateral load		150% Ln
Maximum elastic deformation at Ln		< 0,5 mm
Grade of protection (DIN40050)		IP65
Electr. connections: Co	VPT02A10-6PT2	
Elastic element materia	Aluminium (1001kN)	
		Stainless steel (1.5kN - 2 kN)
Case material		Anodised aluminium (Flange
		and bearing in AISI 303)









If the transducer is supplied complete with prewired connection cable, the colour code is that indicated in the table.





😵 WIRING INFORMATION



Specifications are subject to change without Prior notice

### Force Transducers for Measuring the Web / Spindle Tension CALCULATION OF RESULTANT APPLIED TO CELL



#### ORDERING CODE

WT

Force transducer

MEASUREMENT RANGE (N)		
0 - 100	N1C	
0 - 200	N2C	
0 - 350	N3.5C	
0 - 500	N5C	
0 - 750	N7.5C	
0 - 1000	N1M	
0 - 1500	N15C	
0 - 2000	N20C	

EXTERNAL DIAMETER		
35 mm bearing	C35	
40 mm bearing	C40	
30 mm shaft spindle	P30	

If request, it is possible to sup- ply models with non-standard
mechanical and/or electrical features.

FLANGE		
1	FLA 705 (standard)	
2	FLA711	
3	FLA715	



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