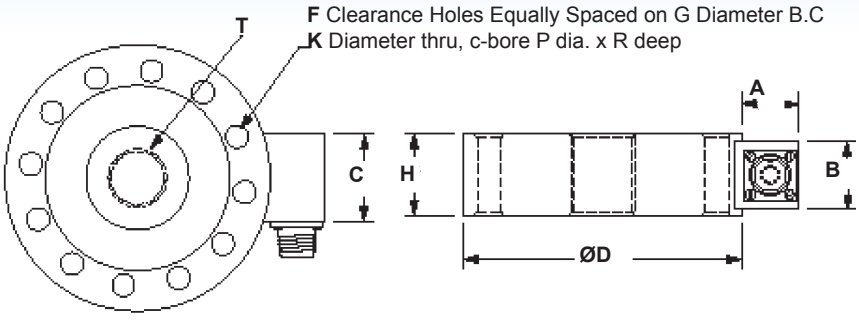
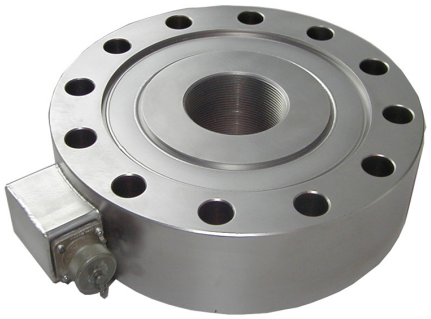
Zug und Druckkraftsensor
Tension and Compression Force Sensor

G 0.15%

41E
20 N - 200 kN





Range	Thread	∅ **D**	**H**	F	∅ **G**	∅ **K**	A	A*	B	B*	C	P	R
20 - 100N	M6x1.0	64	20	6	51	5	21	64	19	23	32	8	5
200 - 5kN	M10x1.0	76	25	6	60	7	21	64	19	23	32	11	7
10 - 20kN	M12x1.5	89	25	6	70	9	21	64	19	23	32	14	8
50 kN	M24x1.5	140	46	8	114	10	32	58	38	38	51	17	11
100, 200 kN	M36x3.0	152	46	8	124	14	32	58	38	38	51	N/A	N/A

A, B * Lenght with amplified output

Technische Daten / Specification

Genauigkeitsklasse / Accuracy class	**%**	**0.15**
Nichtlinearität / Non Linearity max.	20-200N 0.5-200k	0.2%FS 0.1%FS
Wiederhollgenauig. / Non Repeatibility	20-200N 0.5-200k	0.05%FS 0.03%FS
Hysterese / Hysteresis	20-200N 0.5-200k	0.1%FS 0.08%FS
Grenzlast / Limit Load	%	150
Brückenwid. / Bridge Resist.	Ω	350
Isolationswiderstand / Insulation Res.	Ω	> $5x10^6$
Speisespannung / Excitation	V	10
Nennkennwert / Sensitivity 20-100N	**mV/V**	**2**
0.2-200k	**mV/V**	**3**
Option-Ausgang / Outputs available	**± 5/10VDC**	**4-20mA**
Temperature Effect Span-Reading	%FS/°C	0.004
Temperature Effect Zero-Full Scale	%FS/°C	0.004
Temperaturbereich / temp. range nomin.	°C	-55...+120
Gebrauchstemp. / Temp. Compensated	°C	+15...+70
Schutzart / Protection DIN 40 050		IP 65
Merial / material		17-4PH SS
Anschlussart / elctrical termination	6 p. Con	PT06A-14

Range	Art. Nr.
20 N	41E020N0
50 N	41E050N0
100 N	41E0100N0
200 N	41E0200N0
500 N	41E0500N0
1 kN	41E01KN0
2 kN	41E02KN0
5 kN	41E05KN0
10 kN	41E10KN0
20 kN	41E20KN0
50 kN	41E50KN0
100 kN	41E100KN0
200 kN	41E200KN0

Range	20 N - 2 kN	5 - 20 kN	50 - 200 kN
Seitliche Belastung/Side Load FS	50 %	30 %	20 %
Biegung/Bending in-lb	40%	25 %	20 %
Drehmoment/Torque in-lb	25 %	25 %	15 %

Connection:
+ Supply A&B
- Supply C&D
+ Signal F
- Signal E

Optionen/Options: • Temp. Kompensation/Compensation(-30...55°C, -30...95°C, 20...120°C, 20...160°C, 20...200°C, -54...120°C, 0...50°C, -20...85°C, -25...110°C) • Schlag-Vibration-Schutz/Shock-vibration-Resistance • Kalibration/Calibration(10 *Punkt, 20 Punkt)*

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