



Range	Thread	ØD	H	A	B
150...500g, 10...500 N	4-40 UNC	12.7	7.4	4.8	4.6
1, 2, 5 kN	1/4-28 UNF	19.05	9.65	7.9	7.87

Connection:

- + Supply rot/red - Supply schwarz/black
- + Signal weiss/white - Signal grün/green

Technische Daten / Specification

Genauigkeitsklasse / Accuracy class	%	0.5
Wiederholgenauig. / Non Repeatability	%FS	0.1
Linearität / Linearity	%FS	0.5
Hysterese / Hysteresis	%FS	0.5
Max. Drehmoment / Max. Torque	150g-500N	0.5Nm
Limit Load with incl. Overload Stop	1-5 kN	2.26Nm
Brückenwid. / Bridge Resist. to 500g	Ω	500
>500g	Ω	350
Isolationswiderstand / Insulation Res.	Ω	> 5x10 ⁶
Speisespannung / Excitation	V	5
Nennkennwert / Sensitivity 150-500g	mV/V	10
10-5000N	mV/V	2
Temperature Effect Span-Reading/°C	%	0.03
Temperature Effect Zero-Full Scale/°C	%	0.03
Temperaturbereich / temp. range nomin.	°C	-55...+120
Gebrauchstemp. / Temp. Compensated	°C	+20...+70
Schutzart / Protection DIN 40 050		IP 65
Material / material		17-4PH SS
Messkabel-Länge / cable length	Teflon	1.5 m

Range	Art. Nr.
150g	BL321AL
250g	BL321AN
500g	BL321AP
1000g	BL321AR
20 N	BL321MI
50 N	BL321MK
100 N	BL321ML
200 N	BL321MM
500 N	BL321MY
1000 N	BL321MN
2000 N	BL321MO
5000 N	BL321MQ

Range	150 g	250 g	500 g	1000 g	20 N	50 N	100 N	200 N	500 N	1 kN	2 kN	5 kN
Messweg/Deflection in mm	0.0012	0.008	0.008	0.0018	0.015	0.15	0.013	0.013	0.013	0.015	0.018	0.025
Ring-Freq. kHz	10	14	22	8	11	17	24	34	48	25	33	40
Max. überlast % FS	500	500	500	150	150	150	150	150	150	150	150	150
Max. Overload % FS												

Optionen/Options: • Tem.Kompensation/Compensation (-15...70°C, 0..55°C, -17...85°C, -30...55°C, -20...120°C)

• Schlag-Vibration-Schutz/Shock-Vibration-Resistance 44a • Kalibration/Calibration (10 Punkt, 20 Punkt)

