



Range	Thread	Ø D	C	H	F	N	M
50g - 500g	6-32 UNC	25.4	6.3	19	2.8	12.7	9.6
1kg - 10lb.	6-32 UNC	19.1	6.3	11.5	1.3	7.9	4.9
25 - 100lb.	10-32 UNF	25.4	6.3	13.2	2.3	12.7	6.35
250 - 1klb.	1/4-28 UNF	25.4	9.7	13.2	0.8	12.7	6.35

Range	Art. Nr.
50g	AL311AJ
150g	AL311AL
250g	AL311AN
500g	AL311AP
1000g	AL311AR
5 lb.	AL311AT
10 lb.	AL311AV
25 lb.	AL311BL
50 lb.	AL311BN
100 lb.	AL311BR
250 lb.	AL311CR
500 lb.	AL311CR
1000 lb.	AL311CV

Technische Daten / Specification

Genauigkeitsklasse / Accuracy class	%	0.15
Wiederholgenauig. / Non Repeatability	<1000g	0.1%FS
	>1000g	0.05%FS
Grenzlast / Limit Load	>250g	150%
Bruchlast / Broken Limit Load		200%
Brückenwid. / Bridge Resist.	to 500g	Ω 500
	>500g	Ω 350
Isolationswiderstand / Insulation Res.		Ω > 5x10 ⁶
Speisespannung / Excitation	50-500g	V 5
Speisespannung / Excitation	>100N	V 10
Nennkennwert / Sensitivity	50-150g	mV/V/g 0.1
	250-500g	mV/V 20
	1000g	mV/V 1.5
	>1000g	mV/V 2.0
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
Merial / material		17-4PH SS
Messkabel-Länge / cable lenght	Teflon	1.5 m

Anschlüsse/Connection
 + Supply rot/red
 -Supply schw/black
 +Signal weiss/white
 -Signal grün/green

Range	50g	150g	250g	500g	1kg	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.	250 lb.	500 lb.	1 klb.
Deflection/Messweg in mm	0.026	0.026	0.026	0.026	0.026	0.03	0.02	0.019	0.014	0.021	0.022	0.03	0.03
Ring-Freq. kHz	0.74	0.74	0.74	0.74	0.74	2.9	5.2	5.2	8.5	10	10	12	17
Bending Err.%Ncm	1.8	0.9	0.4	0.2	0.02	0.02	0.01	0.01	0.006	0.009	0.004	0.002	0.002

Optionen / options: ● Temp. Kompensation/Compensation (0...50°C,-20...+85°C,-25...1 10°C)

● Schlag-Vibration-Schutz/Schock-V ibration Resistance ● Spezial-Kalibrierung/Special-Calibration (10 Punkt, 20Punkt)

● Anschluss-Stecker/Connector-Plug