



RATED CAPACITY	Screw Size	C	C1	C2	C3	H	H1
DIMENSIONS							
N/mm							
50-100	M3	3.5	7.5	22.0	25.4	7.1	1.1
500	M6	6.8	11.0	22.0	25.4	7.1	1.1
5,000	M10	10.1	13.0	23.0	25.4	7.1	1.1
20,000	M12	13.2	21.0	31.0	38.1	12.7	1.0
20,000	M16	16.7	21.0	31.0	38.1	12.7	1.0
50,000	M10	10.1	20.0	42.0	50.8	16.0	1.0
50,000	M12	13.2	20.0	42.0	50.8	16.0	1.0
50,000	M16	16.7	22.0	42.0	50.8	16.0	1.0
100,000	M20	20.3	33.0	61.0	76.2	25.4	2.0
100,000	M26	26.2	40.0	61.0	76.2	25.4	2.0
100,000	M32	32.5	42.0	61.0	76.2	25.4	2.0
200,000	M20	20.3	33.0	61.0	76.2	25.4	2.0
200,000	M26	26.2	40.0	61.0	76.2	25.4	2.0
200,000	M32	32.5	42.0	61.0	76.2	25.4	2.0

N/inches							
50-100	1/8	0.14	0.30	0.87	1.00	0.28	0.04
500	1/4	0.27	0.43	0.87	1.00	0.28	0.04
5,000	3/8	0.40	0.51	0.91	1.00	0.28	0.04
20,000	1/2	0.52	0.83	1.22	1.50	0.50	0.04
20,000	5/8	0.66	0.83	1.22	1.50	0.50	0.04
50,000	3/8	0.40	0.79	1.65	2.00	0.63	0.04
50,000	1/2	0.52	0.79	1.65	2.00	0.63	0.04
50,000	5/8	0.66	0.87	1.65	2.00	0.63	0.04
100,000	3/4	0.80	1.30	2.40	3.00	1.00	0.08
100,000	1	1.03	1.57	2.40	3.00	1.00	0.08
100,000	1-1/4	1.28	1.65	2.40	3.00	1.00	0.08
200,000	3/4	0.80	1.30	2.40	3.00	1.00	0.08
200,000	1	1.03	1.57	2.40	3.00	1.00	0.08
200,000	1-1/4	1.28	1.65	2.40	3.00	1.00	0.08

SPECIFICATIONS			
Full Scale Output	Cap. $\leq 50N$: 1.0 mV/V $\pm 20\%$; Cap. $> 50N$: 2.0 mV/V $\pm 20\%$	Insulation Resistance	$> 2 [50V DC] G\Omega$
Zero Balance	± 0.02 mV/V	Nominal Temperature Range	$-10^{\circ}C$ to $40^{\circ}C$ / $14^{\circ}F$ to $104^{\circ}F$
Non-linearity	$< \pm 0.5\%$	Safe Overload	150% of full scale
Repeatability	$< \pm 0.5\%$	Breaking Overload	300% of full scale
Hysteresis Error	$< \pm 0.5\%$	Seal Type / IP Rating	Environmentally Sealed / IP66
Creep in 30 min.	$< \pm 0.5\%$	Cable Color Code	Cap. $\leq 5,000N$: Exc+ Red Exc- Black Sig+ Green Sig- Yellow Shield Bare
Input Resistance	$700\Omega \pm 25$		Cap. $> 5,000N$: Exc+ Red Exc- Black Sig+ Green Sig- White Shield Bare
Output Resistance	$700\Omega \pm 3$		
Element Material	17-4PH Stainless Steel		
Recommended Excitation	10V (15V Maximum)		

PART NUMBER*			
Rated Capacity	Screw Size	Part No.	Weight (kg) Approx.
50N.....	M3 or 1/8.....	296ASA1-50N.....	0.03
100N.....	M3 or 1/8.....	296ASA1-100N.....	0.03
500N.....	M6 or 1/4.....	296ASA2-500N.....	0.03
5kN.....	M10 or 3/8.....	296ASA3-5kN.....	0.03
20kN.....	M12 or 1/2.....	296ASB1-20kN.....	0.11
	M16 or 5/8.....	296ASB2-20kN.....	0.11
50kN.....	M10 or 3/8.....	296ASC1-50kN.....	0.25
	M12 or 1/2.....	296ASC2-50kN.....	0.25
	M16 or 5/8.....	296ASC3-50kN.....	0.25

PART NUMBER*			
Rated Capacity	Screw Size	Part No.	Weight (kg) Approx.
100kN.....	M20 or 3/4.....	296ASD1-100kN.....	0.9
	M26 or 1.....	296ASD2-100kN.....	0.9
	M32 or 1-1/4.....	296ASD3-100kN.....	0.9
200kN.....	M20 or 3/4.....	296ASE1-200kN.....	0.9
	M26 or 1.....	296ASE2-200kN.....	0.9
	M32 or 1-1/4.....	296ASE3-200kN.....	0.9

* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.