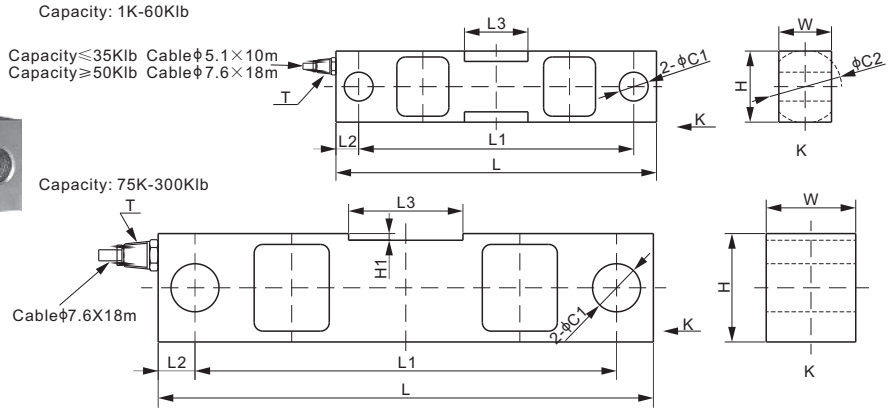
102EH

Alloy Steel



DOUBLE ENDED BEAMS

DIMENSIONS

RATED CAPACITY	C1	C2	H	H1	L	L1	L2	L3	W	T
Klb/inches										
1–5	0.50	1.26	1.26	–	7.50	6.25	0.62	1.22	1.26	1/4–18 NPT
10–25	0.79	1.99	1.94	–	8.74	7.50	0.62	1.73	1.44	1/4–18 NPT
35	0.79	2.50	2.50	–	8.74	7.50	0.62	1.73	1.50	1/4–18 NPT
50–60	1.31	2.99	2.95	–	13.50	11.50	1.00	3.15	2.44	1/2–14 NPT
75	1.31	–	2.95	0.18	13.50	11.50	1.00	3.11	2.44	1/2–14 NPT
100–125	1.63	–	3.94	0.25	18.50	15.00	1.75	3.25	2.94	1/2–14 NPT
200	2.13	–	5.79	0.50	20.50	17.00	1.75	4.13	3.80	1/2–14 NPT
300	2.63	–	5.79	0.50	23.50	18.74	2.38	5.13	3.80	1/2–14 NPT
kg/mm (conversion of above dimensions)										
453.6–2,268	12.7	32.0	32.0	–	190.5	158.8	15.9	31.0	32.0	1/4–18 NPT
4,535.9–11,339.8	20.0	50.5	49.2	–	222.0	190.5	15.8	44.0	36.5	1/4–18 NPT
15,875.7	20.0	63.5	63.5	–	222.0	190.5	15.8	44.0	38.1	1/4–18 NPT
22,679.6–27,215.5	33.3	76.0	75.0	–	343.0	292.0	25.5	80.0	62.0	1/2–14 NPT
34,019.4	33.3	–	75.0	4.6	343.0	292.0	25.5	79.2	62.0	1/2–14 NPT
45,359.2–56,699	41.4	–	100.0	6.4	470.0	381.0	44.5	82.6	74.7	1/2–14 NPT
90,718.5	54.0	–	147.0	12.7	520.7	431.7	44.5	105.0	96.5	1/2–14 NPT
136,077.7	66.8	–	147.0	12.7	597.0	476.0	60.5	130.3	96.5	1/2–14 NPT

SPECIFICATIONS

Full Scale Output	3.0 mV/V ± 0.25%	**Recommended Excitation**	10V (15V Maximum)
Zero Balance	± 0.02 mV/V	**Insulation Resistance**	>2 [50V DC] GΩ
Non-linearity	Cap.≤125Klb: < ± 0.050%; Cap.≥200Klb: < ± 0.1%	**Compensated Temperature Range**	-10°C to 50°C / 14°F to 122°F
Repeatability	< ± 0.030%	**Safe Overload**	150% of full scale
Hysteresis Error	Cap.≤125Klb: < ± 0.030%; Cap.≥200Klb: < ± 0.1%	**Breaking Overload**	300% of full scale
Creep in 30 min.	< ± 0.030%	**Seal Type / IP Rating**	Environmentally Sealed / IP67
Input Resistance	700Ω ± 10	**Cable Color Code**	Exc+ Red Exc- Black
Output Resistance	700Ω ± 5		Sig+ Green Sig- White
Element Material	Alloy Steel, Nickel Plated		Shield Bare

PART NUMBER*

Rated Capacity	Part No.	Weight (kg) Approx.
1Klb	102EH-1Klb	1.7
1.5Klb	102EH-1.5Klb	1.7
2.5Klb	102EH-2.5Klb	1.7
5Klb	102EH-5Klb	1.7
10Klb	102EH-10Klb	2.9
15Klb	102EH-15Klb	2.9
20Klb	102EH-20Klb	2.9
25Klb	102EH-25Klb	2.9
35Klb	102EH-35Klb	3.9
50Klb	102EH-50Klb	11.3
60Klb	102EH-60Klb	11.3
75Klb	102EH-75Klb	11.3
100Klb	102EH-100Klb	23.0
125Klb	102EH-125Klb	23.0
200Klb	102EH-200Klb	48.0
300Klb	102EH-300Klb	50.0

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

WEIGH MODULE

Model	Page
102EHM2	146

INTERCHANGEABLE REFERENCE

Manufacturer	Model
Coti Global	CG-16
Rice Lake	RL75016
Mettler Toledo	SLD425
Vishay Celtron	DSR
Vishay Revere Transducers	5203
Vishay Sensortronics	65016

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