



Automation

Model : ABL 616

BUTTON TYPE LOAD CELL (HIGH CAPACITY COMPRESSION LOAD CELL)



Features :

- * Protection to IP67
- * Low Profile, high anti-interface
- * Suitable for motion weighing
- * Stainless Steel Construction

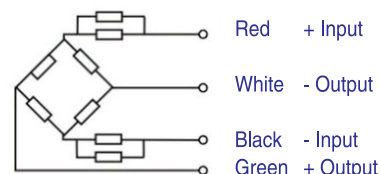
Applications

- * Pharma Machinery
- * Automation Industries
- * Suitable for Testing Equipments
- * Customized Design Available on request

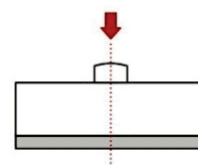
Parameters :

Rated Load lb(kg.) 220(100) to 100 Ton			
Precision	C2	Insulation Resistance (MΩ)	≥5000 (50VDC)
Composition Error	0.03	Excitation Voltage (VDC)	5~15
Rated Output (mv/v)	2 ± 1%	Compensated temp. Range (°C)	-10~+40
Non-Linearity (%FS)	0.03 / 0.017	Use Temp. Range (°C)	-35~+65
Hysteresis (%FS)	0.03 / 0.02	Temp. Effect on Zero (%FS/10°C)	0.03 / 0.017
Repeatability (%FS)	0.01	Temp. Effect on Span (%FS/10°C)	0.03 / 0.017
Creep (%F.S/30min)	0.02	Safe Overload (%FS)	120
Zero Balance (%FS)	± 1	Ultimate Overload (%FS)	150
Input Resistance (Ω)	750 ± 10	Defend Grade	IP67
Output Resistance (Ω)	700 ± 2	Cable	6mm, 5mtr.

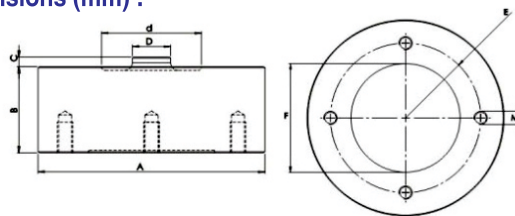
Wiring Schematic Diagram :



Load Diagram :



Dimensions (mm) :



CAPACITY/SIZE	A	B	C	D	d	F	E	M
100, 200, 500kg	50	25	5	13	32	34	42	M4*0.7
1T, 2T, 3T, 5T	60	30	5	12	36	42.5	50	M6*1
10T, 20T	118	45	5	20	52	65.4	90	M8*1.25
30T, 50T	155	50	5	44	90	103	125	M12*1.75
100T	205	60	7.5	65	130	145	165	M16*2

