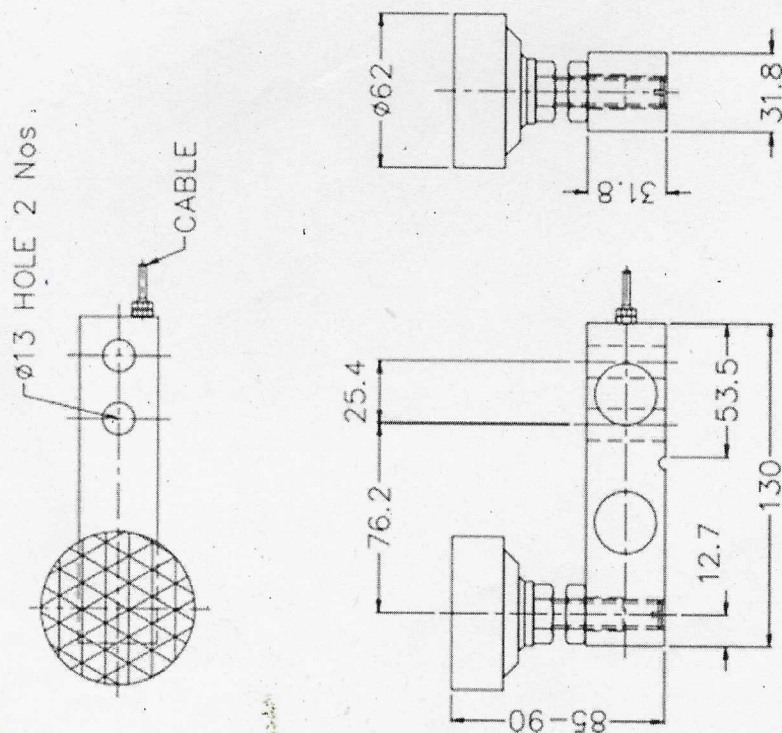


Short Material Description

Item sl. No.	Item Title	Item Description	Item Quantity	Unit of Measure
1.	Shear Beam Load Cell, Capacity:750 Kg.	<u>Shear Beam load cell, Capacity 750 Kg.</u> Input Resistance:390 Ohm $\pm$10% Output Resistance : 350Ohm $\pm$ 20hm Rated Output: 2mV/V Excitation Voltage: 5V DC to 10V DC Protection: IP-68 Cable: 4 core screen cable of 5 Meters length. Min. / Max. Operating temp. : 5 deg. C / 50 deg. C To be supplied with mounting arrangement and anti-vibration pads. (Other Spec. as per enclosed Sheet)	8	NUMBER
2	Load Cell Summation Card	<u>Load Cell Summation Card</u> No. of Input Load Cell : 04 No. of summation output : 01 - Provision for adjustment of load cell signal for balancing the load cell through in-built trim-pots - To be supplied with weather proof and air tight enclosure, cable glands for input and output cables.	3	NUMBER
3.	Converter electronic cum display unit	<u>Electronic converter cum display unit for load cell</u> Excitation voltage/ Max. current :DC 5V/120 mA Signal Input Range: 0 – 19.5mV Signal Output : 4 to 20mA Relay Output : 2 NO Relay output Sampling Freq: 640 Hz. 5 digit large LED display Display range : -99999 to +99999 Decimal point programmable: 0,0.0,0.00 etc Display Update Time : 0.1 to 1.0 sec. Four key keypad for programming and parameter setting Operating Power supply : 230V AC To be supplied with weather proof and air tight enclosure, cable glands for input and output cables. <u>Other spec. as per enclosure</u>	3	NUMBER

1. Detailed Specification of Load Cell with dimensions

SPECIFICATIONS		
SL NO	PARAMETERS	SPECIFIED VALUE
1	CAPACITY	0.75t.
2	TYPE	STRAIN GAUGE BASED
3	GAUGE RESISTANCE	350 Ohms
4	RATED OUTPUT	2.0 mV/V
5	NON LINEARITY	± 0.10%
6	REPEATABILITY	± 0.05%
7	CREEP ON LOAD	±0.05%
8	ZERO BALANCE VOLTAGE	±0.2mV
9	INPUT RESISTANCE	390 ± 10 Ohms
10	OUTPUT RESISTANCE	350± 2 Ohms
11	COMPENSATED TEMP. VOLTAGE	5-55° C
12	OPERATING TEMP. VOLTAGE	5-60° C
13	TEMP. EFFECT ON SPAN	0.006%/° C
14	TEMP. EFFECT ON TARE	0.008%/° C
15	EXCITATION VOLTAGE	10V DC (MAX 12V)
16	SAFE OVER LOAD	200%
17	ULTIMATE OVERLOAD	300%
18	INSULATION RESISTANCE BRIDGE	>5000M Ohms AT 30V DC AT 30° C
19	PROTECTION	IP-68
20	CABLE	4 CORE SHIELDED PVC SHEATHED 5Mtrs



All Dimensions are in Millimeter

Aravindan

Electronic Converter cum display unit for loadcell	
Excitation voltage/Max. current	DC 5V /120 mA
Signal input Range	0-19.5 mA
Signal Output	4 to 20 mA
Relay output	2 NO Relay Output
Sampling Freq	640 Hz
5 digit large LED	
Display Range	(-)99999 to(+)99999
Decimal point programmable	0,0.0,0.00 etc
Display update Time	0.1 to 1.0sec
Four key keypad for programming and parmeter setting	
Operating power supply	230V AC
To be supplied with weather proof and air tight enclosure,cable gland for input and output cable	

Arjun Ranjan

3. Load Cell Summation Card

1.	Input	4 Nos, of Load Cell Signals
2.	Output	Summation of all input signals
3.	Adjustment	Provision of adjustment of Signals for balancing the load cells
4	Enclosure	Card shall be fitted in weather proof and air tight enclosure.
5	Accessories	Cable glands for each ports.

Anil Dey