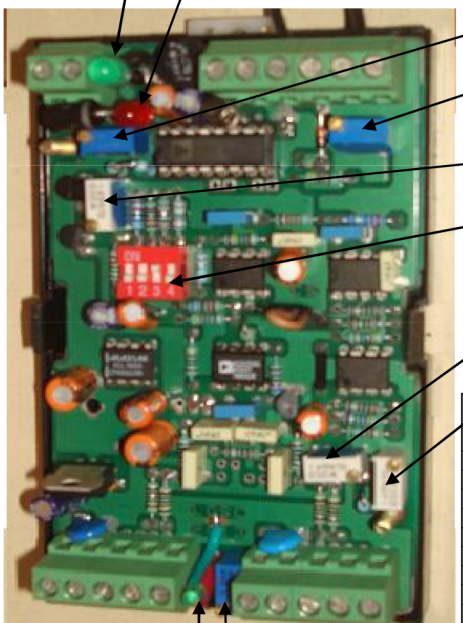

NOTE 1: Filter Max.:
4 pole Butterwoth Filter O/p

NOTE 2: Filter Min.:
2 pole Butterwoth Filter O/p

Reqd. FS X LC Sensitivity
Eff. Sensitivity= ----------
LC Cap. X No.of Loadcells

DIP Switch Settings-SPAN/GAIN Selection

	Sw1	Sw2	Sw3	Sw4	EFFECTIVE SENSITIVITY
1	OFF	OFF	OFF	OFF	1.40 mV/V - 3.24 mV/V
2	OFF	OFF	OFF	ON	1.15 mV/V - 2.14 mV/V
3	OFF	OFF	ON	OFF	0.99 mV/V - 1.62 mV/V
4	OFF	OFF	ON	ON	0.87 mV/V - 1.30 mV/V
5	OFF	ON	OFF	OFF	0.78 mV/V - 1.10 mV/V
6	OFF	ON	OFF	ON	0.70 mV/V - 0.95 mV/V
7	OFF	ON	ON	OFF	0.65 mV/V - 0.84 mV/V
8	OFF	ON	ON	ON	0.60 mV/V - 0.75 mV/V
9	ON	OFF	OFF	OFF	0.54 mV/V - 0.65 mV/V
10	ON	OFF	OFF	ON	0.50 mV/V - 0.60 mV/V
11	ON	OFF	ON	OFF	0.47 mV/V - 0.56 mV/V
12	ON	OFF	ON	ON	0.45 mV/V - 0.52 mV/V
13	ON	ON	OFF	OFF	0.43 mV/V - 0.49 mV/V
14	ON	ON	OFF	ON	0.41 mV/V - 0.47 mV/V
15	ON	ON	ON	OFF	0.39 mV/V - 0.44 mV/V
16	ON	ON	ON	ON	0.37 mV/V - 0.42 mV/V

CALIBRATION PROCEDURE

1 CONNECT LOADCELL [s] CORRECTLY.

2 CONNECT 24 V DC POWER TO UNIT. Warm Up for 10 mts.

3 CONNECT A MUTIMETER IN 20 V DC VOLTAGE RANGE TO V o/p 1 AND COMMON. It should read POSITIVE VALUE.

4 ZERO CALIBRATION: Measure V out VOLTAGE.
COARSE ADJUSTMENT
Make this 0 V DC by adjusting ZERO COARSE POTENTIOMETER.
FINE ADJUSTMENT
Make this 0 V DC by adjusting ZERO FINE POTENTIOMETER.

5 SPAN CALIBRATION: ADD KNOWN LOAD TO LOAD RECEPTOR.
For 25 % LOAD, O/p should be 2.500 V
For 50 % LOAD, O/p should be 5.000 V
For 75 % LOAD, O/p should be 7.500 V
For 100 % LOAD, O/p should be 10.000 V
COARSE ADJUSTMENT
ADJUST SPAN COARSE DIP SWITCH to bring the V out CLOSE to REQUIRED VALUE. Sw.4 - LOW GAIN , Sw.1: Maximum GAIN. Porgressively switch from 4 - 1 to make Vout = Required Value
FINE ADJUSTMENT
USE 'FINE SPAN' POTENTIOMETER FOR FINE ADJUSTMENTS to make V out = Reqd. Value.

6 REPEAT STEPS 2 & 3 TO ACHIEVE BEST PERFORMANCE.

7 ZERO AND SPAN ADJUSTMENTS CAN ALSO BE MADE BY MEASURING 4-20 mA Output.
For ZERO, adjust Iout to 4.00 mA when load is EMPTY.
For SPAN, adjust Iout to 20.00 mA when load is 100 %.

CUSTOMER	END CLIENT	DRAWING TITLE			
		LOADCELL SIGNAL CONDITIONER AMPLIFIER / TRANSMITTER		Name	Signature
			Drawn by :		
		Reference No. : ME/2012-13/P10	Checked by :		
		Date :	Approved by :		

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