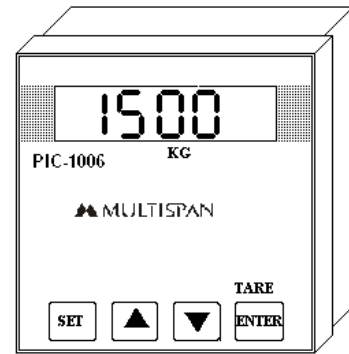


**Specifications:**

- 1) Micro controller based, Single display.
- 2) Size: 96 X 96 X 100 mm.  
Panel Cut-Out: 92 X 92 mm.
- 3) Supply: 230V AC  $\pm$  10 %, 50 Hz
- 4) Input: 0 – 20 mV.
- 5) TARE facility.
- 6) Output: 4 to 20 mA DC Retransmitter & 10V DC Transmitter and 2 Relay (C-NO).



**DISPLAYS:** There is a Single Display.

- a) **Display** : 6 – digit display in RED colour indicates current Weight from Load Cell in Kg.

**FRONT KEYS:** SET ▲ ▼ ENT

This front key is used to See and Change the Parameter. Enter Key as a Tare.

**PARAMETERS:**

<u>FUNCTION</u>	<u>DISPLAY</u>	<u>RANGE.</u>
SET	SEt 1	0 to 9999
SET	SEt 2	0 to 9999
HYSTERESIS	HYS 1	0 to 200
HYSTERESIS	HYS 2	0 to 200
MODE 1	MOdE 1	Low Alarm/High Alarm
MODE 2	MOdE 2	Low Alarm/High Alarm
DECIMAL	POi nt dP	0.000 TO 000.0 SELECTABLE
SCAL FACTOR	SCAL	00.000 TO 10.000
OUTPUT LOW RANGE	re-LD!!	0000 TO 9999
OUTPUT HIGH RANGE	re-HI 9H	0000 TO 9999



**OPERATION**

**SETTING FOR SET POINT 1 VALUE:**

- ◆ Press SET key 2 second for SET value.
- ◆ Display will indicate **SEt** and after 2 second it indicates current value of its.
- ◆ Value is set by following below procedure.
  - Increase value by ▲ key.
  - Decrease value by ▼ key.



Same as procedure for SET POINT 2 value.

#### SETTING FOR HYSTERESIS 1 SELECTION:

- ◆ Press **SET** key 6 second for HYSTERESIS Selection.
- ◆ Display will indicate **HYS** and after 2 second it indicates current value of its.
- ◆ Value is set by following below procedure.
  - Increase value by  key.
  - Decrease value by  key.



Same as procedure for HYSTERISYS 2 value.

#### SETTING FOR MODE SELECTION :



- ◆ Press **SET** key 16 second for SET value.
- ◆ Display will indicate **MODE!** and after 2 second it indicates current mode type.
- ◆ Value is set by following below procedure.
  - change the type by  &  key.

Same as procedure for MODE 2 selection.



#### SETTING FOR DECIMAL POINT :

- ◆ Press **SET** key 20 second for SET value.
- ◆ Display will indicate **DP** and after 2 second it indicates current mode type.
- ◆ Value is set by following below procedure.
  - change the type by  &  key.

#### SETTING FOR SCAL FACTOR:

- ◆ Press **SET** key 24 seconds for scaling.
- ◆ Display will indicate **SCALE**.
- ◆ Value is set by following below procedure.
  - Increase value by  key.
  - Decrease value by  key.

#### RETRANSMISION OUTPUT LOW RANGE:

- ◆ Press **SET** key 28 seconds for scaling.
- ◆ Display will indicate **LE-LO!**.
- ◆ Value is set by following below procedure.
  - Increase value by  key.
  - Decrease value by  key.

### RETRANSMISSION OUTPUT HIGH RANGE:

- ◆ Press **SET** key 32 seconds for scaling.
- ◆ Display will indicate **rt-HI 9H**.
- ◆ Value is set by following below procedure.
  - Increase value by **▲** key.
  - Decrease value by **▼** key.

### WORKING

- ◆ Do all connection as shown in connection diagram and turn on the instrument.
- ◆ Display shows current process weight in Kg as per Range.
- ◆ 0 mV input display will show 0 Kg and at 20 mV input display will show Full Selected Range.
- ◆ 4 to 20 mADC retransmitted output is provided at Back Terminal of the Instrument. Means at 0 mV(rt-low range) input, 4 mADC output is provided and at 20 mV(rt-high range) input, 20mADC output is Provided at back Terminal.
- ◆ 10V DC Transmitter output is also provided at Back Terminal to Drive another Instrument.
- ◆ To TARE the Weight press **ENTER** key for 2 seconds.
- ◆ To Normal the tare value, press the **▲** key and **▼** key simultaneously.
- ◆ For relay 1 mode if we assume that selected mode is low alarm then, relay 1 will ON when current process value is less than SET value and relay 1 become OFF at SET+HYS value.
- ◆ For relay 2 mode if we assume that selected mode is high alarm then , relay 2 will OFF when current process value is less than SET-HYS and become ON at SET value.

### CALIBRATION PROCEDURE:

- Press SET key and power ON the instrument at that time high-cal message available and after 2 sec its value are appear, it is selectable 0000 to 9999. Then after set key press for 6 sec, low cal message appear and then after its selectable value are appear 0000-9999 selectable. Then after press SET key for 6 sec and display will show save message and then press ENT key to save and exit.

### CONNECTION DIAGRAM:

