



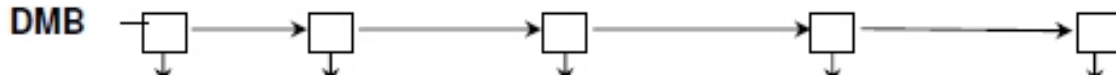
®

# Microprocessor Load Cell, Strain Gauge & Setting Digital Meter

An ISO 9001:2008 Company

## Features:

- Output/Display/Setting Range User Selectable
- Dual Aux. Power 110/220V AC
- High Accuracy 0.1% FS + 1 Counts
- Analog or Digital RS-485 Output
- Memory for Tare Weight



Input Signal		Ext DC Voltage		Alarm Setting		Output Signal		Aux. Power	
A	2mV/V	A	DC 8V	A	2 Alarm Setting	A	DC 0~10mA	A	AC 110/220V
B	3mV/V	B	DC 10V			B	DC 0~20mA	C	DC 22~72V
C	5mV/V	C	DCC 12V	N	None	C	DC 4~20mA	F	AC/DC85-265V
						D	DC 0~5V	Y	Other
						E	DC 1~5V		
						F	RS-485		
						N	None		
						Y	Other		

## SPECIFICATIONS:

### OUTPUT & DISPLAY:

**DC Current :** 0 – 20 mA DC

**Load resistance drive :** output drive 10 VDC maximum

Output	Load Resistance
0 – 10 mA :	100 Ω
0 – 20 mA :	500 Ω
4 – 20 mA :	500 Ω

**DC Voltage :** 0 – 10 V DC

**Load resistance drive :** output drive 5 mA maximum

Output	Load Resistance
0 – 5 V :	1 KΩ
1 – 5 V :	1 KΩ
0 – 10 V :	2 KΩ

Output Response Time : ≤1 Sec.

Digital Output Load : RS-485 Output, 1200,2400,4800,9600,19200 Baud Rate, User Selectable.

Display Range : 0.56" Super Rate LED 4-1/2, 5 Digits, ±19999 Counts. Display Range User Selectable.

### INSTALLATION & PERFORMANCE:

Accuracy : 0.1%FS + 1 Count at 23°C±3°C.

Exciting Voltage : 8V/50mA DC maximum.

Setting Function : Dual Setting & Contact Points, Setting Function User Selectable.

Setting Range : ±19999 Counts User Selectable.

Dead Band : 0 ~ 9999 Counts User Selectable.

Time Delay : 0 ~ 99 Sec. User Selectable.

SPDT Capacity : AC 120V 5A, 250V 3A, DC 24V 3A.

Stability : ≤0.2%/Year.

Temperature Coefficient : ≤100ppm / °C From 0 ~ 60°C.

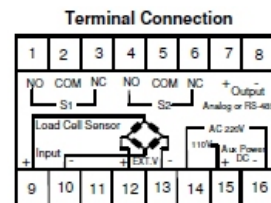
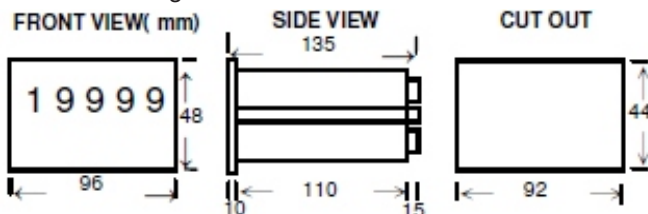
Operating Condition : - 10°C ~ + 55°C 20 ~ 95% RH Non-Condensed.

Storage Condition : - 40°C ~ + 75°C 20 ~ 95% RH Non-Condensed.

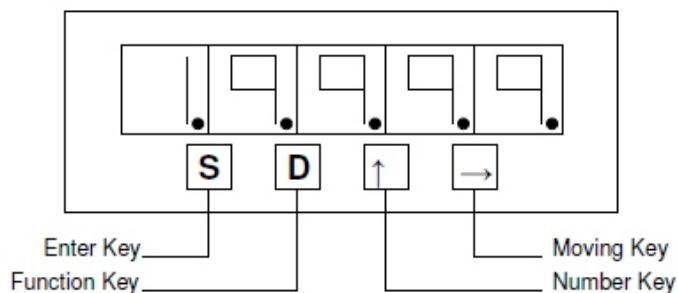
Power Supply : AC or DC ±20%, 50 / 60Hz.

Outline Dimension : 1/8 DIN 96W X 48H X 135D mm.

Mounting : Panel Flush Mounting. Terminal Connection



All Specifications are subject to change without prior notice.



The setting functions divided into two categories :

- (A) Input/Output/Display Functions
- (B) Contact Point S1/S2 Setting

Procedures :

- (1) Press "S" key, display "00" blinking
- (2) Press "D" key, enter "01" ~ "09" functions
- (3) Press "→" key, enter "51" ~ "59" to setting directly after press
- (4) Press "→" key, to change position.
- (5) Press "↑" key, to change number.

Repeat procedure (1) ~ (5).

Press "D" and "→" at the same time for QUIT.  
PRESS "D" TO SAVE SETTING VALUE AFTER "09".

(A) Input/Output/Display Functions "02" ~ "09" :

- 02 Lowest display value(OFFSET), - 19999 ~ + 19999.
- 03 Highest display value(GAIN), - 19999 ~ + 19999.
- 04 Decomal point, change decimal point position.
- 05 Analog output range  
Change output value 0 ~ 20mA, 4 ~ 20mA, 0 ~ 10mA, 0 ~ 5V, 1 ~ 5V, 3 ~ 5V, 0 ~  
\* Display 12 ~ 20 means 4 ~ 12 ~ 20mA, display 3 ~ 5 means 1 ~ 3 ~ 5V.
- 06 Digital output Baud Rate  
1200, 2400, 4800, 9600, 19200.  
\* Display 9200 means 19200.
- 07 Address, 01 ~ 99(PC or Host Console Address=0)  
32 devices maximum for RS-485 format.
- 08 Output vs Display rating.  
Step 1 : Press "D" setting output FULL SCALE  
Step 2. : Press "D" again setting output ZERO
- 09 Special function : Save, Reset, Uni or Bi Directions etc..

**DISPLAY "99" PRESS "D" TO SAVE "02" ~ "09" DATA.**

66 TARE

(B) Contact Point S1/S2 Setting "51" ~ "59" :

51 S1 Setting	Setting Value	S1	S2	0=Lo, 1=Hi,
52 S1 Dead Band	0 ~ 9999.	0	0	Lo-Lo
53 S1 Time Delay	0 ~ 99 Sec.	1	0	Hi-Lo
54 S2 Setting	Same as 51.	0	1	Lo-Hi
55 S2 Dead Band	Same as 52.	1	1	Hi-Hi
56 S2 Time Delay	Same as 53.			
57 S1, S2 setting condition.				
58 Start Delay Time 0~999 sec.,	input from zero, no alarming motion within the time			
59 Special Function.	Same as 09.			

Deduct weight to zero:

Press "S", enter operation condition, display shows "0 0" shine.

Press "D", enter 09 save function, press "D" again, operate "↑→", adjust display to "66" condition.

Press "D" again to save.

All Specifications are subject to change without prior notice.



G-17, Bharat Industrial Estate, T. J. Road, Sewree (W), Mumbai - 400 015. INDIA.  
Sales Direct.: 022-24156638, Tel. : 022-24124540, 24181649, Fax : 022-24149659  
Email : kusam\_meco@vsnl.net, Website : www.kusamelectrical.com