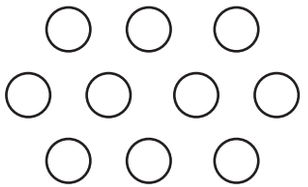
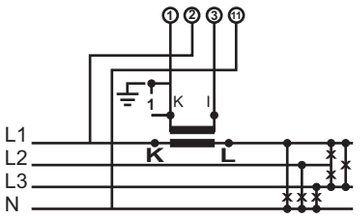
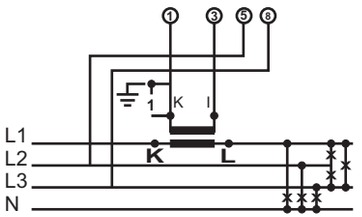
TERMINAL LAYOUT



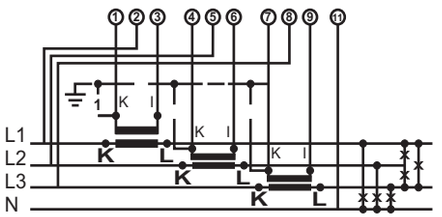
Active power V1W
three Phase, four wire network
balanced load.



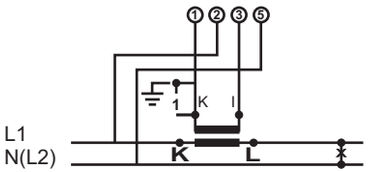
Reactive power V1B
three Phase, four wire network
balanced load.



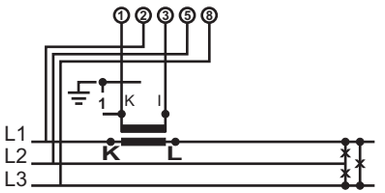
Active/Reactive power V3W/V3B
three Phase, four wire network
unbalanced load.



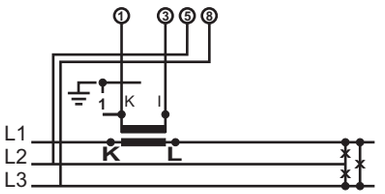
Active/Reactive power E1W/E1B
Singal - Phase AC network



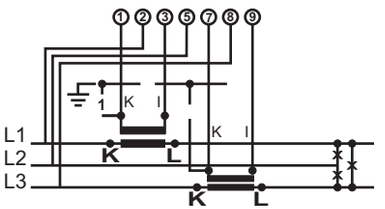
Active power D1W
three Phase, three wire network
balanced load.



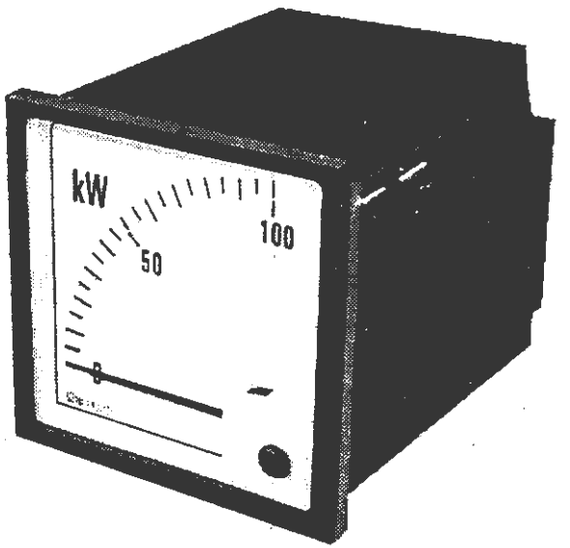
Reactive power D1B
three Phase, three wire network
balanced load.



Active/Reactive power D2W/D2B
three Phase, three wire network
unbalanced load.



INSTRUCTION MANUAL
POWER METER



Sifam Tinsley Instrumentation Inc.
3105 Creekside Village Drive, Suite No. 801, Kennesaw, GA 30144 (USA)
Contact No. : +1 404 736 4903
E-mail Id : psk@sifamtinsley.com
Web : **www.sifamtinsley.com**

Version No : STIUS / 2020 / 01

1. INSTALLATION

Insert the meter in the cut-out from the front side of the panel and tighten the swivel screws from the back side.

2. IDENTIFICATION (for type and range of instrument)

See the dial and the label stuck on back of the meter.

3. CONNECTIONS

Make the connections for current and voltage circuit as per terminal markings and the numbers given on the lable. Specified voltage is the voltage between phase and neutral in the case of single phase meters and is the voltage between any two phases in the case of three phase meters.

Reference range & Nominal range of use for frequency: 45-65 Hz

Reference range of current: 20% to 120% of rated value.

Exception : Single phase reactive power meter (E 1 B) Reference range: 50 Hz+0.1% Nominal range of use : 50 Hz ± 1%

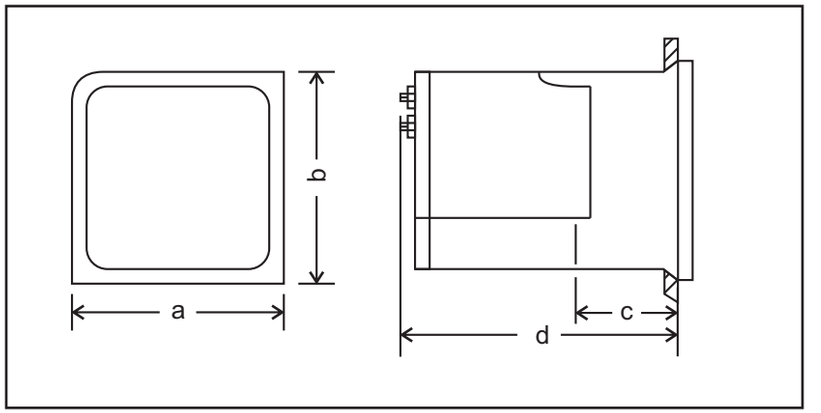
Caution : Electrical & Mechanical Zero points in the meter are not necessarily identical. In the de-energised condition, pointer may rest in a position other than the marked Zero of the instrument.

Warm up time: 15 minutes

4. ZERO ADJUSTMENT

In active and reactive power meters, Zero adjustment should be done when only voltage paths are energised. and current circuits NOT energised. If the pointer is not at Zero when only voltage is applied, set the pointer to Zero with the help of the Zero adusting knob provided on the front of the meter.

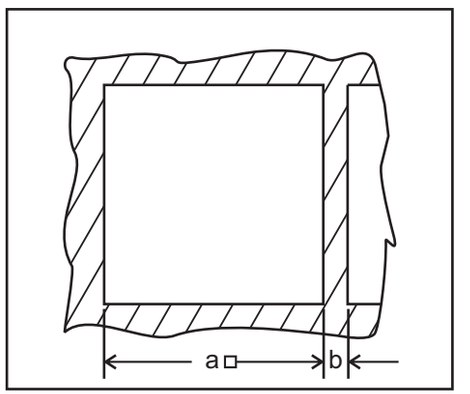
5. INSTRUMENT DIMENSIONS



	Dimensions in mm			
	a	b	c	d
GTS 113	96	96	-	106 *
GTS 114	144	144	-	106 *

* 131 mm for 3 phase 4 wire unbalanced power measurement. (V3W, V3B)

6. CUT OUT



	Cut out in mm	
	a	b
GTS 113	$92^{+0.8}$X $92^{+0.8}$	4
GTS 114	138^{+1} X 138^{+1}	6