

support@elmeasure.com  
Ph: +91 80 32904489

## ElMeasure India Private Limited

HO & Unit -1 :  
47-P, Hardware Park, KIADB,  
Huvinayakanahalli Bengaluru - 562149  
Karnataka INDIA.

Unit -2 :  
Goutham Garden, No.4,  
Veerapandi, Coimbatore - 641 019  
Tamilnadu INDIA

PG/ACCL M 300/V1/0517

## PROGRAMMING MANUAL

iACCL  
M 300

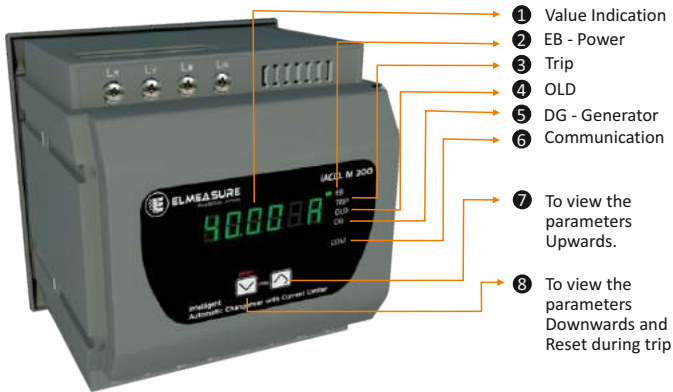


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### 1. FEATURES

- True RMS measurement.
- User configurable (Editable) password
- Simultaneous sampling of Volts & Amps.
- Simplifies electrical complexity.
- Safeguards generator by gradual loading & precision monitoring.
- Fully solid state, using contractor components.
- Inverse Current tripping Saves the age of the cable.
- Under and Over Voltage protection when it is running on DG.
- Programmable DG start time which avoids overloading the DG.
- Intelligent controller trips exactly on the programmed settings – Better accuracy.
- Resetting the Trip by key press or through communication.

### 2. KEY & LED INDICATION



### 3. PROGRAMMING MODE

#### 3.1 Programming Keys

- To select / Edit & save Value
- To decrement value

#### 3.2 Setup Procedure

Press **Up** + **Down** to enter setup mode .  
Enter Password (default 1000) blinking of digit indicates Edit is possible.  
Press **Down** to decrement value from 9 to 1.  
Press **Up** to move to the next digit till 4th digit .  
If Password is correct, editing is possible.  
Enters into Setup mode and meter display's VA Selection  
Press **Down** to view and press **Up** to edit the parameter.  
Press **Down** to decrement values or to select from available options.  
Press **Up** to save the value of the parameter.  
Press **Down** to edit next till end of last parameter and parameter display screen will prompt **SAVE** display reads **Y**(YES).  
Press **Down** to change to **n** (NO).  
Press **Up** to save.

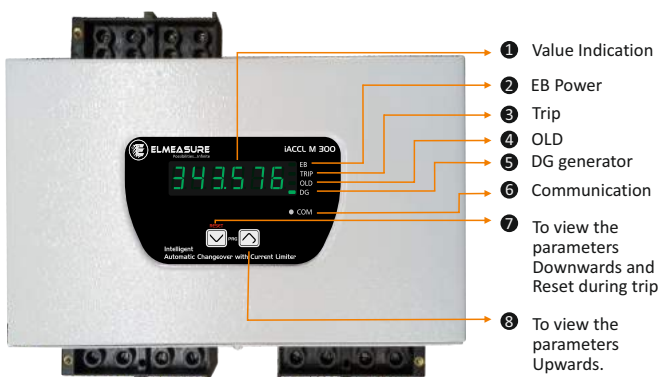
#### 3.3 Display

Programming Parameter	Default	Option/Range
VA selection (UA) (vector harmonics)	VECTHAR	Vector Harmonic / Vector/ Arithmetic
Baud rate (bA)	9600bA	2400 to 19.2k
Parity (Pr)	EVENPr	Even/ Odd/ no
Device Id (dU.)	1000dU	1.000 to 247.0
Password (PW)	----P4	1000 to 9999
Energy (EN)	COUNEN	(rESL / COUN)
Energy Selection(ES)	Wh ES	Wh/VAh
DG Under voltage(VL)	1800VL	180V to 210V
DG Over voltage(VH)	2600VH	240V to 270V
DG max current limit(dA)	8000dA	0 to 40A/63A/80A/100A/125A

EB max current limit(EA)	8000EA	0.5 to 40A/63A/80A/100A/125A
DG start time(dS)	5000dS	1 to 30Sec
C1 Cycle time (C1)	7000C1	6 to 150Sec
C2 Cycle time (C2)	1500C2	6 to 150Sec
C3 Cycle time (C3)	3000C3	6 to 150Sec
C4 Cycle time (C4)	6000C4	6 to 150Sec
No. of ON/OFF cycles	5000CL	5 to 10 Cycles
DG Output Selection	3Ph dG	3.ph/1.ph DG

#### 3.4 Enabling and Disabling Auto Scrolling

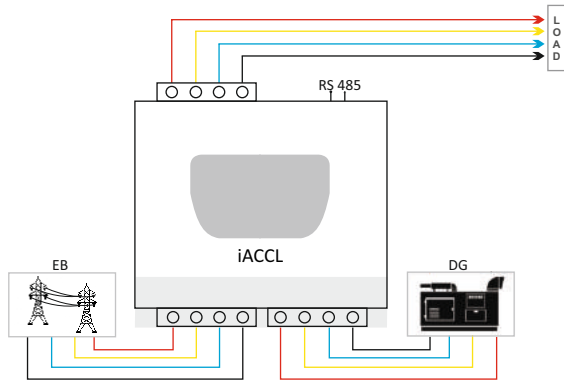
Press **Down** for 5 Secs. Display shows : **ENBLAU** Again press any key to disable. Display shows : **dsbLAU**





#### 4. WIRING DIAGRAM

3 Phase ACCL wiring diagram

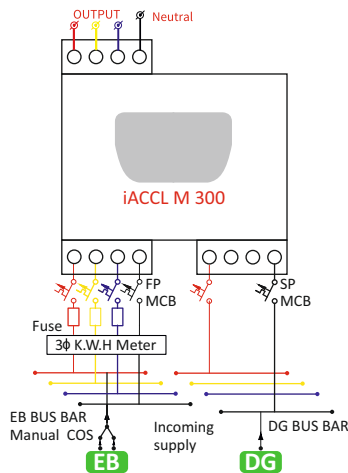


#### 5. MECHANICAL SPECIFICATION:

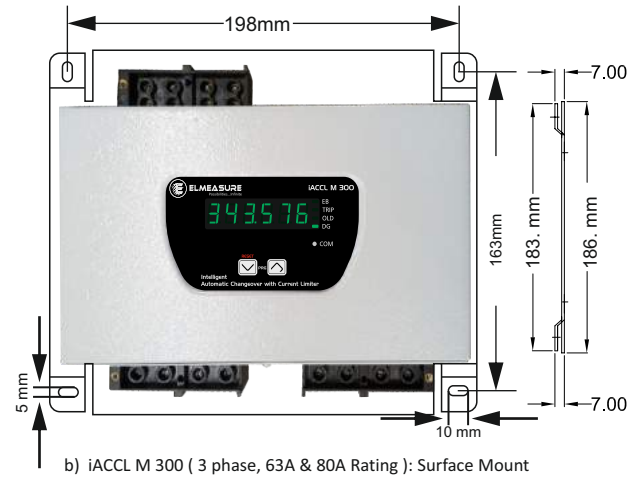
a) iACCL M 300 ( 3 phase, 40A Rating ) : Dinrail Mount



Three Phase  
EB 3 Phase & DG 1 Phase

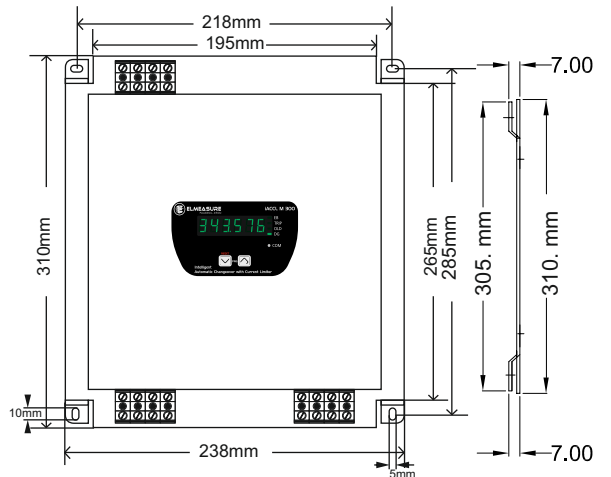
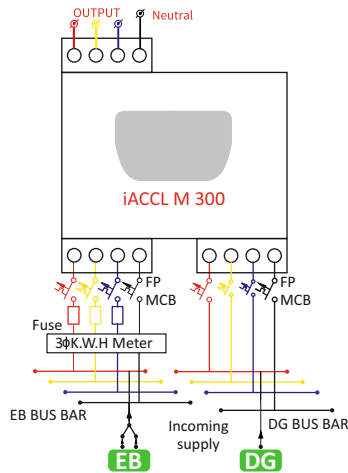


SP - Single Pole  
FP - Four Pole



b) iACCL M 300 ( 3 phase, 63A & 80A Rating ) : Surface Mount

EB 3 Phase & DG 3 Phase



c) iACCL M 300 ( 3 phase, 100A & 125A Rating ) : Surface Mount



#### INFORMATION

Manufacturer assumes no responsibility for a hazard or damage caused by incorrect or non-application of any of the instructions mentioned herein. ELMEASURE shall not be liable for any consequential or resulting injury or for loss, damage or expense directly or indirectly from the use of this product under any circumstances.

ELMEASURE does not claim any responsibility for the damage caused by using the product directly or indirectly as sufficient care has been taken to provide all information regarding the product. The user is advised to use according to the operating instructions, professional practices, wiring rules, codes, safety regulations applicable to the given installation.



#### CAUTION

During normal operation of this instrument, hazardous voltages are present at the rear terminals, which may cause injury or death. Installation, disconnection or removal of the meter should be carried out only by qualified, trained personnel, after de-energizing connected circuit. The warranty will become void incase the seal is broken, improper installation as well as improper grounding.