



PROGRAMMING MANUAL

VAF / DA 3 / DV 3



DT-36M

FEATURES

- 4x3 rows Led display.
- Universal Voltage Input & Current.
- Universal auxiliary supply.
- CT ratio on site programmable.
- Auto scaling & scrolling.
- True RMS measurement.

TECHNICAL SPECIFICATIONS

Parameter	Range
Accuracy	Class 1
Measurement	True RMS 3 phase 4 wire / 1 phase 2 wire
Input Voltage	50 - 500V
Burden	0.2VA Max. per phase
Input Current	50mA - 6Amps
CT ratio	5A - 5000Amps
Burden	0.2VA Max. per phase
Auxiliary Supply	230 V AC $\pm 10\%$ / 40- 70Hz
Burden	2VA Max
Display resolution	4x3 rows for instantaneous value Display update in 1sec.
Humidity	5% to 95% non condensing
Operating Temperature	-10°C to +55°C
Storage Temperature	-25°C to +70°C
Dimension Bezel	96x96mm - 54mm Depth.
Panel Cutout	90"x 90"mm.
Mounting	Flush mounting with side clamps.

DISPLAY PARAMETERS

Parameters	Description	Led
Voltage	RN,YN,BN (Phase & Neutral) Average (Phase & Neutral)	VLN,L1,L2,L3 Avg
Voltage	RY,YB,BR (Phase & Phase) Average (Phase & Phase)	VLL,L1,L2,L3 Avg
Current	R,Y,B Average of R,Y,B	Amps Avg
Frequency (system)	R,Y,B with respect to N Average of R,Y,B	Hz Avg
On Hours	Meter On Hours calculates	ONHP
RPM	RPM	RPM



DT-36L

FEATURES

- 3x3 rows Led display.
- Universal Voltage Input & Current.
- Universal auxiliary supply.
- CT ratio on site programmable.
- Auto scaling.
- True RMS measurement.

TECHNICAL SPECIFICATIONS

Parameter	Range
Accuracy	Class 1
Measurement	True RMS 3 phase 4 wire / 1 phase 2 wire
Input Voltage	50 - 500V
Burden	0.2VA Max. per phase
Input Current	50mA - 6Amps
CT ratio	5A - 5000Amps
Burden	0.2VA Max. per phase
Auxiliary Supply	230 V AC $\pm 10\%$ / 40- 70Hz
Burden	2VA Max
Display resolution	3x3 rows for instantaneous value Display update in 1sec.
Humidity	5% to 95% non condensing
Operating Temperature	-10°C to +55°C
Storage Temperature	-25°C to +70°C
Dimension Bezel	96x96mm - 54mm Depth.
Panel Cutout	90"x 90"mm.
Mounting	Flush mounting with side clamps.

DISPLAY PARAMETERS

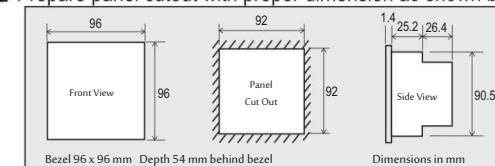
Parameters	Description	Led
Voltage	RN,YN,BN (Phase & Neutral) Average (Phase & Neutral)	VLN,L1,L2,L3 Avg
Voltage	RY,YB,BR (Phase & Phase) Average (Phase & Phase)	VLL,L1,L2,L3 Avg
Current	R,Y,B Average of R,Y,B	Amps, Kilo Avg
Frequency (system)	R,Y,B with respect to N Average of R,Y,B	Hz Avg
On Hours	Meter On Hours calculates	ONHP
RPM	RPM	RPM

MODELS

Model	Parameters	4displayx3row
DT-36M	V,A,F & Avg	4x3
DT-36L	V,A,F & Avg	3x3
DA-33	Amps & Avg	4x3
DA-3	Amps & Avg	4x1
DV-33	Ln,LL & Avg	4x3
DV-3	Ln,LL & Avg	4x1

MECHANICAL DIMENSIONS

- Prepare panel cutout with proper dimension as shown below



- Push the meter into the panel cutout. Secure the meter in its place by pushing the clamp on the rear side. The screws of panel of the clamp, must be in the farthest forward slot.
- For proper sealing, tighten the screws evenly with required torque.

WARNING GUIDELINES

- To prevent risk of electric shock power supply to the equipment must be kept off while doing the wiring.
- Wiring shall be done strictly according to the terminal layout confirm that all connections are correct.
- Use lugged Terminals.
- To eliminate electromagnetic interference use of wires with adequate rating & twists of the same in equalize shall be made.
- Cable used for connection to power source, must have cross section of 1.5mm. These wires shall have carrying capacity of 5A.

TEST CERTIFICATE

S.No.	TEST	TEST CONDITION	STATUS			
1	Insulation	a)Voltage Circuit and Earth b)Current Circuit and Earth	Complied			
2	H V Test	2kV for 1min a)Voltage Circuit and Earth b)Current Circuit and Earth	Complied			
3	Accuracy Test	Parameter	100%	50%	5%	Complied
		PF	Less than 1 elect.			Complied
		kW	Within 0.5%			Complied
		kVA	Within 0.5%			Complied
		V	Within 0.5%			Complied
		A	Within 0.5%			Complied
		F	Less than 0.1Hz			Complied

Ref Calibration standards

1. MTE SWS 1.3 class 0.1

2. YEW 2533E 31 class 0.1

>12 months WARRANTY

Tested by :

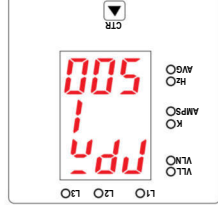
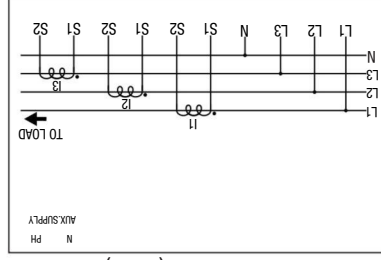
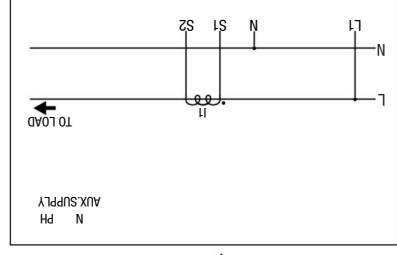
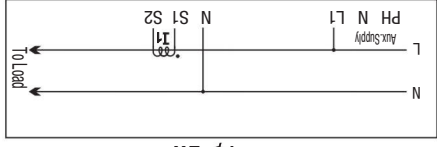
S.No. 2666

S No 26BU00651

Approved by :

S.No.39822

Date:



Press and hold the  key for 2 seconds, then the display indicates CT primary value. On pressing the  key to forward, CT value changes. Select desired CT value, then release the key immediately. CT value blinks, Meter takes 5 seconds to save CT value. Do not switch off the meter supply when CT value blinks, just wait to come into main screen

CT Primary Range/5A

Press and hold  key continuously, then switch on auxiliary supply to meter. Hold the key for 10 seconds after release the key immediately. To scroll the pages manually, press  key.