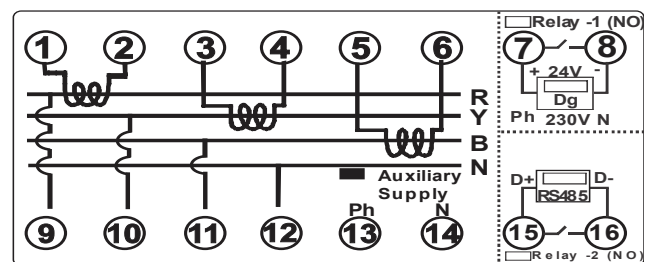


Display Parameter Sequence

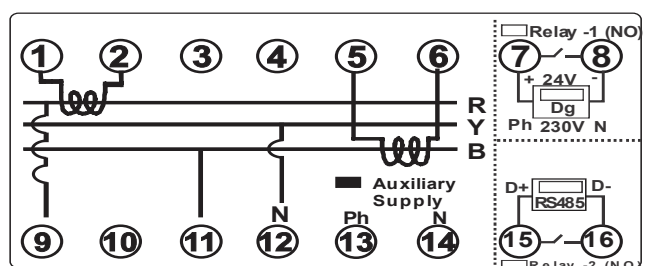
Display Parameter	Display on Screen	Action with Keys		
Avg L-N Voltage	XXX.X	UP (↑) & DOWN (↓) key is used to see the parameters		
Avg Current	X.XXX			
Frequency	XX.XX			
Avg L-L Voltage	XXX.X			
Avg Current	X.XXX			
Power Factor	X.XX			
R-Y-B Combined kW	XX.X			
R-Y-B Combined kVAr	XX.X			
Power Factor	X.XX			
R-Y-B Combined kW	XX.X			
R-Y-B Combined kVAr	XX.X	UP (↑) & DOWN (↓) key is used to see the parameters		
R-Y-B Combined kVA	X.XX			
Press Page Key			⊙	
Instance Parameters	INST PARA		Press Enter Key (↵)	
Line Voltage b/w R&Y	XXX.X		UP (↑) & DOWN (↓) key is used to see the parameters	
Line Voltage b/w Y&B	XXX.X			
Line Voltage b/w B&R	XXX.X			
R – Phase Voltage	XXX.X			
Y – Phase Voltage	XXX.X			
B – Phase Voltage	XXX.X			
R – Phase Current	X.XXX			
Y – Phase Current	X.XXX			
B – Phase Current	X.XXX			
R – Phase Power Factor	X.XX	UP (↑) & DOWN (↓) key is used to see the parameters		
Y – Phase Power Factor	X.XX			
B – Phase Power Factor	X.XX			
R – Phase kW	XX.X			
Y – Phase kW	XX.X			
B – Phase kW	XX.X			
R – Phase kVAr	XX.X			
Y – Phase kVAr	XX.X			
B – Phase kVAr	XX.X			
R – Phase kVA	XX.X		UP (↑) & DOWN (↓) key is used to see the parameters	
Y – Phase kVA	XX.X			
B – Phase kVA	XX.X			
RPM	XXXX	UP (↑) & DOWN (↓) key is used to see the parameters		
Press Page Key				⊙
Instance Parameters	INST PARA			Press Enter Key (↵)
R-Y-B Combined kWh	XXXXXXXX			UP (↑) & DOWN (↓) key is used to see the parameters
R-Y-B Combined kVArh(Lag)	XXXXXXXX			
R-Y-B Combined kVArh (Lead)	XXXXXXXX			
R-Y-B Combined kVAh	XXXXXXXX			
Running Hours	XXXXXX.XX			
Power on Hours	XXXXXX.XX			
Intr	XXXX			

Press Page Key		⊙
THD in %	THD	Press Enter Key (↵)
R – Phase THD Voltage	XXX.X	UP (↑) & DOWN (↓) key is used to see the parameters
Y – Phase THD Voltage	XXX.X	
B – Phase THD Voltage	XXX.X	
R – Phase THD Current	X.XXX	
Y – Phase THD Current	X.XXX	
B – Phase THD Current	X.XXX	
Press Page Key		⊙
Set Parameters	SET PARA	Press Enter Key (↵)
Ctp	XXXX	UP (↑) & DOWN (↓) key is used to see the parameters
CtS	X	
PtP	XXX.X	
PtS	XXX	
Star / Delta	Star	
Pole	XX	UP (↑) & DOWN (↓) key is used to see the parameters
Id	XXX	
Parity	None	
Baud Rate	XXXX	
Press Page Key		
Old Intg Parameters	Old INTG PARA	Press Enter Key (↵)
R-Y-B Combined kWh	XXXXXXXX	UP (↑) & DOWN (↓) key is used to see the parameters
R-Y-B Combined kVArh(Lag)	XXXXXXXX	
R-Y-B Combined kVArh (Lead)	XXXXXXXX	
R-Y-B Combined kVAh	XXXXXXXX	
Run Hour	XXXXXX.XX	

Connection Diagram(3P4W)



Connection Diagram(3P3W)



Programming Mode:

S. No.	Key Action	Key Indication	Display
1	Press Down & Enter key together. Meter goes to Programming Mode	↓↵	Prog PAGE
2	Press Enter key, Meter prompts for entry of password. The default password is '1000'.	↵	PASS 0000
3	Now, by using Up & Down key, user can change the value of 1 st digit of MSB.	↑↓	PASS 1000
4	Now press Enter key 4 times, Meter goes to Star/ Delta Connection.	↵	Edit Star
5	Press Enter Key, it goes to changeable mode.	↵	Edit Star ¹
6	Down key is used to select Star mode and Up key is used to select Delta mode.	↑↓	Edit Delta
7	Press Page key, Meter goes in CT Primary mode.	⊙	Edit CtP 0200
8	Press Enter key, '1' appears at second display of FND.	↵	Edit CtP1 0200 ¹
9	By using Up & Down key, user can change the value of 1 st digit of MSB.	↑↓	Edit CtP 1200 ¹
10	Press Enter key, '2' appears at second display of FND.	↵	Edit CtP2 1500
11	By using Up & Down key, user can change the value of 2 nd digit of MSB and so on.	↑↓	Edit CtP 1500
12	Press Page key, Meter goes to CT Secondary mode.	⊙	Edit CtS 5
13	Press Enter key, '1' appears at second display of FND.	↵	Edit CtS1 5
14	Down key is used to select Secondary CT1 and Up key is used to select Secondary CT5.	↑↓	Edit CtS1 5
15	Press Page key, Meter goes to PT Primary mode. In Delta connection, PT Primary is in kilowatt and in Star connection, it is in volt. If user select Delta, a LED of 'k' glow.	⊙	Edit PtP 415.0
16	By using step 6, 7, 8 & 9, user can set the value of PT Primary.	↵↑↓	Edit PtP 415.0
17	Press Page key, Meter goes to PT Secondary mode.	⊙	Edit PtS 415.0
18	By using step 6, 7, 8 & 9, user can set the value of PT Secondary.	↑↓	Edit PtS 415.0

S. No.	Key Action	Key Indication	Display
19	Press Page key, Meter goes to No. of pole selection mode.	⊙	Edit Pol 04
20	By using step 6, 7, 8 & 9, user can set the value of no. of Poles.	↑↓	Edit Pol1 04
21	Press Page key, Meter goes to Meter ID selection mode.	⊙	Edit Id 001
22	By using step 6, 7, 8 & 9, user can set the value of Meter ID.	↑↓	Edit Id 1 001
23	Press Page key, Meter goes to Parity mode. The default Parity is 'None' (fixed).	⊙	Edit Parity none
24	Press Page key, Meter goes to Baud Rate selection mode.	⊙	Baud 1200
25	Press Enter key to change the setting of Baud Rate.	↵	Edit Baud 1200
26	By using, Up & Down key, select the desired Baud Rate.	↑↓	Edit Baud 1200
27	Press Page key, Meter goes to clear option of intg parameters energy, run hour, power on hour.	⊙	Clr intg
28	Press Enter key to clear intg parameters.	↵	Clr intg ??
29	Down key is used to select 'NO' option and Up key is used to select 'YES' option. Finally press the Enter key to reset all data.	↑↓	Clr intg YES
30	Press Page key, Meter goes to save option for all parameters.	⊙	Save
31	Press Enter key.	↵	Edit Save
32	By using Up & Down key, select the option of YES / NO. Finally press the enter key to save all data.	↑↓↵	Edit Save YES

Note: In TMF-28 and TMFR-28, only one parameter can be selected at a time b/w kW and kVA. Programming mode of selection as per given following process.

S. No.	Key Action	Key Indication	Display
1	Press Page key after PTS mode, it goes in selection b/w kW and kVA. Act.P→kW and App.P→kVA.	⊙	Load Act.p
2	Press Enter key for edit mode.	↵	Load Edit Act.p
3	By using Up and Down key, select kW or kVA.	↑↓	Load Edit Act.p

Model No. →	TMF-28	TMFR-28	TMF-42	TMFR-42
Display Parameters ↓				
Line Voltage b/w R&Y	√	√	√	√
Line Voltage b/w Y&B	√	√	√	√
Line Voltage b/w B&R	√	√	√	√
R – Phase Voltage	√	√	√	√
Y – Phase Voltage	√	√	√	√
B – Phase Voltage	√	√	√	√
R – Phase Current	√	√	√	√
Y – Phase Current	√	√	√	√
B – Phase Current	√	√	√	√
R – Phase Power Factor	√	√	√	√
Y – Phase Power Factor	√	√	√	√
B – Phase Power Factor	√	√	√	√
R – Phase kW	√	√	√	√
Y – Phase kW	√	√	√	√
B – Phase kW	√	√	√	√
R – Phase kVA	√	√	√	√
Y – Phase kVA	√	√	√	√
B – Phase kVA	√	√	√	√
RPM	√	√	√	√
Avg L-N Voltage	√	√	√	√
Avg L-L Voltage	√	√	√	√
Avg Current	√	√	√	√
Avg Power Factor	√	√	√	√
R-Y-B Combined kW	√	√	√	√
R-Y-B Combined kVA	√	√	√	√
R-Y-B Combined kVA	√	√	√	√
Frequency	√	√	√	√
R-Y-B Combined kWh	√	√	√	√
R-Y-B Combined kVAh(Lag)			√	√
R-Y-B Combined kVAh (Lead)			√	√
R-Y-B Combined kVAh	√	√	√	√
Running Hours	√	√	√	√
On Hours	√	√	√	√
Intr	√	√	√	√
RS-485		√		√