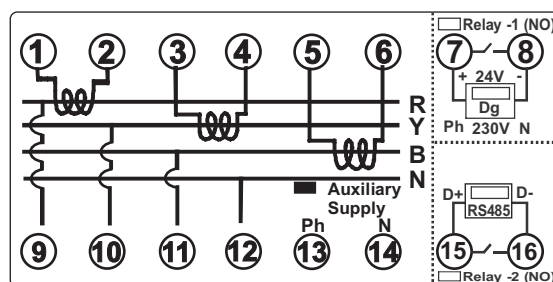


## Display parameter sequence

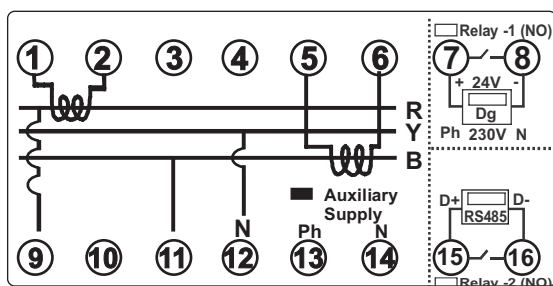
Display Parameters		Action with keys	
Avg L-N Voltage	XXX.X	Up(↑) & down(↓) key is used to see the parameter.	
Avg Current	X.XXX		
Frequency	XX.XX		
Avg L-L Voltage	XXX.X		
Avg Current	X.XXX		
Power Factor	X.XX		
R-Y-B Combined kW	XX.X		
R-Y-B Combined kVA	XX.X		
Power Factor	X.XX		
R-Y-B Combined kW	XX.X		
R-Y-B Combined kVA	XX.X		
R-Y-B Combined kVA	XX.X		
<b>Press Page key</b>		⊙	
<b>Instance Parameters</b>	<b>INST PARA</b>	Press enter key(↵)	
Line Voltage b/w R&Y	XXX.X	Up(↑) & down(↓) key is used to see the parameter.	
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		
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 kVA	XX.X		
Y-phase kVA	XX.X		
B-phase kVA	XX.X		
RPM	XXXX		
<b>Press Page key</b>		⊙	
<b>Intg Parameters</b>	<b>INTG PARA</b>	Press enter key(↵)	
R-Y-B Combined kWh Eb	XXXXXXXXXX	Up(↑) & down(↓) key is used to see the parameter.	
R-Y-B Combined kVAh Eb	XXXXXXXXXX		
R-Y-B Combined kWh DG	XXXXXXXXXX		
R-Y-B Combined kVAh DG	XXXXXXXXXX		

<b>Press Page key</b>		⊙
<b>THD in %</b>	<b>THD</b>	Press enter key(↵)
R-Phase THD Voltage	XXX.X	Up(↑) & down(↓) key is used to see the parameter.
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	
<b>Press Page key</b>		⊙
<b>Set Parameters</b>	<b>SET PARA</b>	Press enter key(↵)
CtP	XXXX	Up(↑) & down(↓) key is used to see the parameter.
CtS	X	
PtP	XXX.X	
PtS	XXX	
Star/Delta	Star	
Pole	XX	
Id	XXX	
Parity	None	
Baud rate	XXXX	
<b>Press Page key</b>		⊙
<b>Old Intg Parameters</b>	<b>Old INTG PARA</b>	Press enter key(↵)
R-Y-B Combined kWh Eb	XXXXXXXXXX	Up(↑) & down(↓) key is used to see the parameter.
R-Y-B Combined kVAh Eb	XXXXXXXXXX	
R-Y-B Combined kWh DG	XXXXXXXXXX	
R-Y-B Combined kVAh DG	XXXXXXXXXX	

## Connection Diagram(3P4W)




















## Connection Diagram(3P3W)



# USER MANUAL

## Programming Mode

# TDSMR42

	Key Action	Key Indication	Display
1	Press up & enter key together meter goes to programming mode.		Prog PAGE
2	Press enter key, meter prompt for entry of password and default password is 1000.		PASS 0000
3	Now by using up & down key can change value of 1st digit of MSB		PASS 1000
4	Now press enter key four times now meter goes to star/delta connection.		Edit Star
5	Press enter key, it goes to changeable mode.		Edit Star <sup>1</sup>
6	UP key is used to select star mode and down key is used to select delta mode.		Edit Delta
7	Press page key, goes to in CT primary mode.		EdIt CtP 0200
8	Press enter key "1" appear at second display of FND		EdIt CtP1 0200 <sup>1</sup>
9	By using up & down key can change value of first digit of MSB		EdIt CtP 1200 <sup>1</sup>
10	Press enter key "2" appear at second display of FND,		EdIt CtP2 1500
11	now by using up & down key can change second digit from MSB & so on.		EdIt CtP 1500
12	Press page key, meter goes to CT secondary mode.		EdIt CtS 5
13	Press enter key "1" appear at second display of FND		EdIt CtS1 5
14	Up key is used to select secondary CT 1 and down key is used to select secondary CT 5.		EdIt CtS1 5
15	Press page key, now meter goes to PT primary mode. in Delta connection PT primary is in kilowatt and in Star connection in volt. if user select Delta, A LED of 'k' glow.		EdIt PtP 415.0
16	By using step 6,7,8 & 9 can set value of PT primary		EdIt PtP 415.0
17	Press page key, meter goes to PT secondary mode.		EdIt PtS 415.0

# USER MANUAL

## Programming Mode

# TDSMR42

	Key Action	Key Indication	Display
18	By using step 6,7,8 & 9 can set value of PT secondary.	↑ ↓	Edlt PtS 415.0
19	Press page key, meter goes to No. of pole selection mode.	⊙	Edlt Pol 04
20	By using step 6,7,8 & 9 can set value of no. of Poles.	↑ ↓	Edlt Pol1 04
21	Press page key, meter goes to meter ID selection mode.	⊙	Edlt Id 001
22	By using step 6,7,8 & 9 can set value of meter ID.	↑ ↓	Edlt Id 1 001
23	Press page key, meter goes to parity mode. Default parity is 'none' (fixed).	⊙	Edlt 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.	↵	Edlt Baud 1200
26	By using up and down key select desired baud rate.	↑ ↓	Edlt 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 parameter.	↵	Clr intg ??
29	Up key is used to select 'NO' option and down key is used to select 'YES' option. finally press 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.	↵	Edlt Save
32	By using up and down key select the option of YES/NO. finally press the enter key to save all data.	↑ ↓ ↵	Edlt Save YES

Display Parameter Model No.	TDSMR42 (AC Sensing)	TDSMR42 (DC Sensing)	
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			
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 Eb	✓	✓	
R-Y-B Combined kWh DG	✓	✓	
R-Y-B Combined kVAh Eb	✓	✓	
R-Y-B Combined kVAh DG	✓	✓	
Running Hours			
AC Sensing	✓		
DC Sensing		✓	
RS-485	✓	✓	