

# TINY MASTER SERIES



- Accuracy Class 1.0 IEC 61036 / CBIP 88 (0.5, 0.2 Option)
- True RMS Measurement
- Simultaneous Sampling of Volts & Amps
- Best Parameters Grouping /Bright Displays
- Simultaneous Display of 4 Parameters

- User Programmable Password Protection
- Auto-Scaling of Kilo, Mega, Giga and Decimal Point
- Neutral Current Display, RPM Measurements
- Clearance and Creepage Distance Meets UL 508 Safety Standard
- Digital input (upto 4 inputs optional)
- Analog voltage input (0-1V)/current input (0-20mA or 4-20mA), programmable to any full scale value (optional)
- Digital outputs (4 potential free contacts-optional)
- THD Measurement optional

## SELECTION GUIDE - TINY MASTER SERIES, PH 7700

SI No.	BASIC PARAMETER					POWER PARAMETER					ENERGY PARAMETER				OTHERS		Model No.	OPTIONAL FEATURES							
	VLL RYB	VLN RYB	AMP RYB	Hz	Angle V/A RPM	W RYB	VA RYB	PF RYB	VAR	VAR RYB	Wh	VAh	VARh-Ind	VARh-Cap	OLD Enrgy	On time/ interrupt		Load Hr.	Accuracy 0.5	Accuracy 0.2 FS	RD (IE)	RS 485/232	Digital Output/ Input	Analog Input	Demand Control / Monitor
1	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 1400	0.5	0.2	RD	R4/R2	I/O	AI	DM
2	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 2400	0.5	0.2	RD	R4/R2	I/O	AI	DM
3	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 3400	0.5	0.2	RD	R4/R2	I/O	AI	DM
4	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 3410	0.5	0.2	RD	R4/R2	I/O	AI	DM
5	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 3420	0.5	0.2	RD	R4/R2	I/O	AI	DM
6	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 4400	0.5	0.2	RD	R4/R2	I/O	AI	DM
7	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 5400	0.5	0.2	RD	R4/R2	I/O	AI	DM
8	VLL	VLN	AMP	Hz	Ø/R	W	VA-T	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 5410	0.5	0.2	RD	R4/R2	I/O	AI	DC*
9	VLL	VLN	AMP	Hz	Ø/R	W	VA-T	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 6420	0.5	0.2	RD	R4/R2	I/O	AI	DC
10	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	TM 7400	0.5	0.2	RD	R4/R2	I/O	AI	DM/DC
11	VLL	VLN	AMP	Hz	Ø/R	W	VA	PF	VAR	RYB	Wh	VAh	VARh	VARh	OLD	OT/I	LH	PH 7700	0.5	0.2	RD	R4/R2	I/O	AI	DM/DC

\* Demand controller with single relay and 2 relay

## TINY MASTER/POWER HOUSE FEATURES AT GLANCE

Sl. No.	Features	TM 1400 BASIC PACK	TM 2400 POWER PACK	TM 3400 ENERGY PACK	TM 3410 TEXTILE PACK	TM 3420 DUAL ENERGY	TM 4400 BASIC + POWER	TM 5400 POWER+ENERGY	TM 5410 GEN PACK	TM 6420 MASTER DUAL ENERGY	TM 7400 MASTER PACK	PH 7700 MASTER PACK
	Number of parameter display	21	12	10		6	30	22	46	50	50	50
1.	Simultaneous display of 4 instantaneous parameters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.	Auto scrolling & auto scaling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.	Generator RPM display	✓	✓				✓	✓	✓	✓	✓	✓
4.	Voltage and current phase angles	✓	✓		A		✓		✓	✓	✓	✓
5.	Neutral current display	✓	✓		✓		✓		✓	✓	✓	✓
6.	Active energy, positive energy accumulation, LH, reverse lock and ' OLD ' register to store previously cleared energy values			✓	✓	✓		✓	✓	✓	✓	✓
7.	Received / delivered (import/export) Energy option			✓				✓	✓		✓	✓
8.	Dual source meter, directly replaces 2 nos. energy meters					✓				✓		
9.	Yarn/product code count information programmable				✓							
10.	Digital outputs (4 potential free contacts)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11.	4 digital input optional	✓	✓	✓			✓	✓	✓	✓	✓	✓
12.	Analog voltage input (0-1V)/current input (0-20mA or 4-20mA), programmable to any full scale value	✓	✓	✓	✓		✓	✓	✓		✓	✓
13.	THD measurement optional										✓	
14.	On time, number of interrupts, 7 parameter display											✓
15.	Energy TOD (6 slots), Demand TOD (4 slots)										✓	