

Product Specification



Product	Single/Three-phase Wireless Meter(LCD)
Device Model	SA-7589
Document Version	1.5.0
Power Consumption	<2W
Primary Current Range	110~240V(50/60Hz)
Voltage Detection Range(CT)	5A~300A
Voltage Detection Range	100 - 480 V(50/60Hz)
Connectivity	無線：BLE/Thread
RF Frequency Band	2450 MHz
Size(H*W*D)	89.8 x 53.8 x 57mm
Weight	94.7g
Operating Temp.	0°C~40°C

Storage Temp.	-10°C~65°C
LCD Display	1.77 inch
Button	Up button*1
	OK button*1
	Down button*1
	Reset button*1
Software setting	Fault Notification
	Instant alerts for voltage and current overload
	Data Logging
	<ul style="list-style-type: none"> • Demand Measurement Active, Reactive, and Apparent Power • Current Measurement Individual and Average Current Demand
	Temperature Monitoring & Data Logging
Regulation	NCC

Accessories

Standard Accessories	300A Current Transformer*3
Optional Accessories	NTC-PT100K, External temperature sensor

Technical Specification

IO Port	RS485
Data Acquisition	OpenThread (802.15.4)
Power Measurement Speed	Sampling interval of 0.5 seconds
Update Rate	Adjustable to 1, 5, 10, or 15 minutes
	Actual Measurement Data <ul style="list-style-type: none">• Thread : 1min• Local Measurement : 0.5s
Voltage Accuracy	$\pm 1\%$
Current Accuracy	$\pm 1\%$
Demand Calculation Method	The 15-minute average power must not exceed the contracted capacity
Demand Calculation Interval	15min
Phase	R · T · S · N
Phase System	Two Wire Single Phase 1P2W
	Three Wire Single Phase 1P3W
	Three Wire Three Phase 3P3W
	Three Wire Four Phase 3P4W

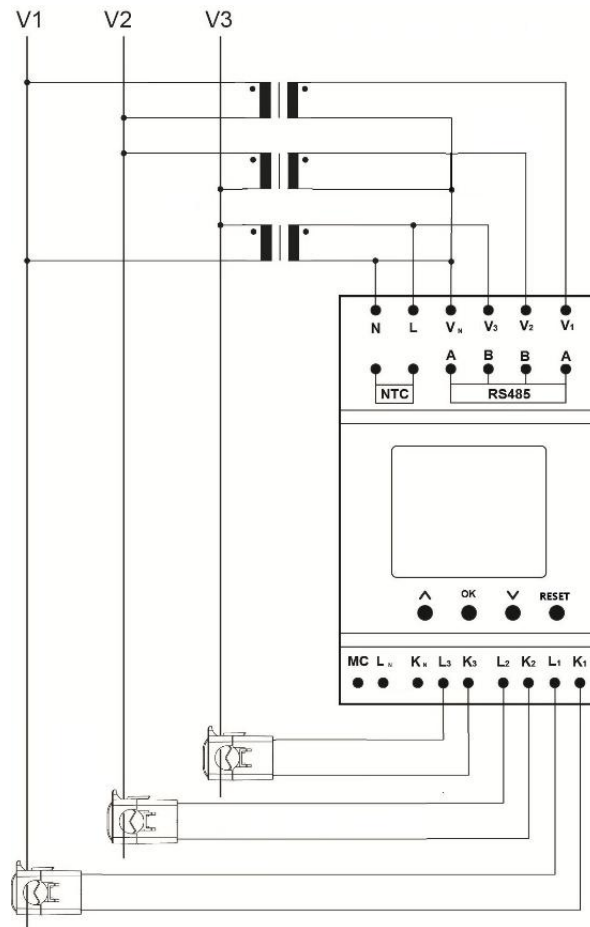
Electrical Interface



Power Input	L	Line
Power Input	N	Neutral
Phase	V1	Phase R
Phase	V2	Phase T
Phase	V3	Phase S
Power Input	VN	Neutral
External Current Transformer	L1	Current Transformer
	L2	
	L3	
	L4	
External Current Transformer	K1	Current Transformer
	K2	
	K3	
	K4	
External Magnetic Contactor	MC	
External temperature sensor	NTC	Temperature
RS-485		

Wiring Diagram

Three Wire Three Phase | 3P3W (with PT)



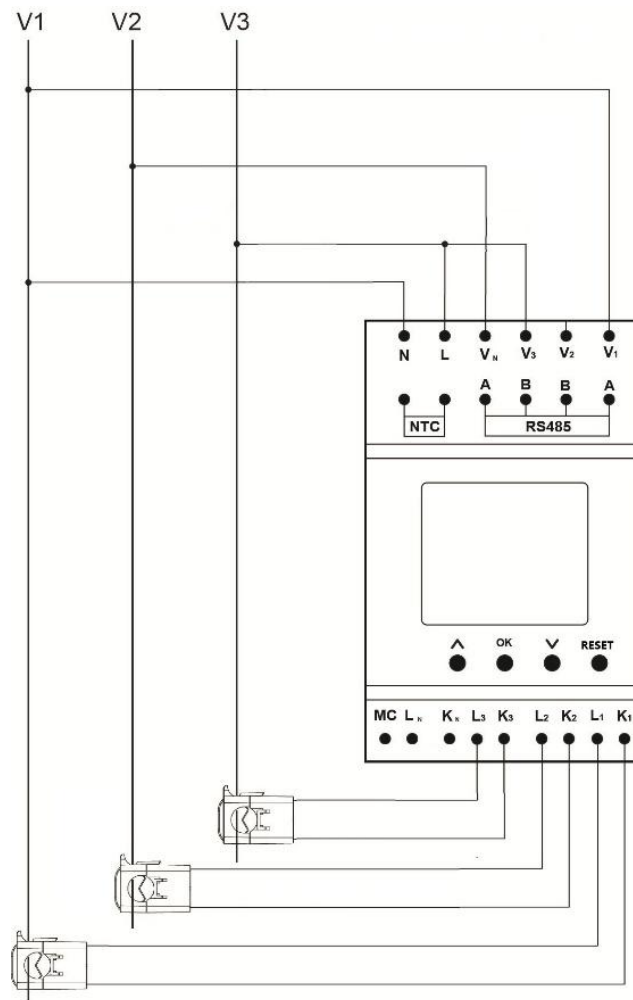
DEXATEK TECHNOLOGY LTD.

16F.-1, No.81, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22101, Taiwan (R.O.C.)

+886 2 8698 4245

sales@dexatek.com

Three Wire Three Phase | 3P3W (without PT)



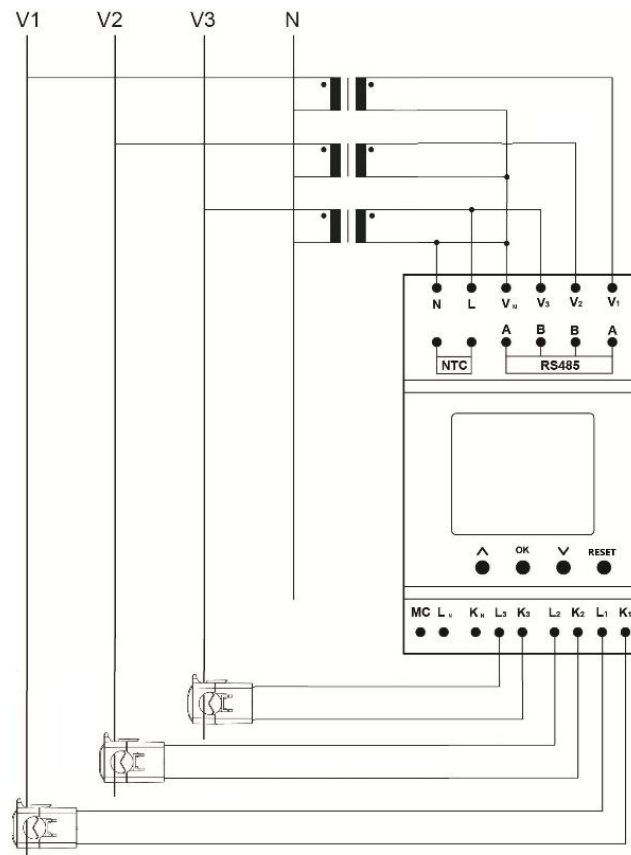
DEXATEK TECHNOLOGY LTD.

16F.-1, No.81, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22101, Taiwan (R.O.C.)

+886 2 8698 4245

sales@dexatek.com

Four Wire Three Phase | 3P4W (with PT)



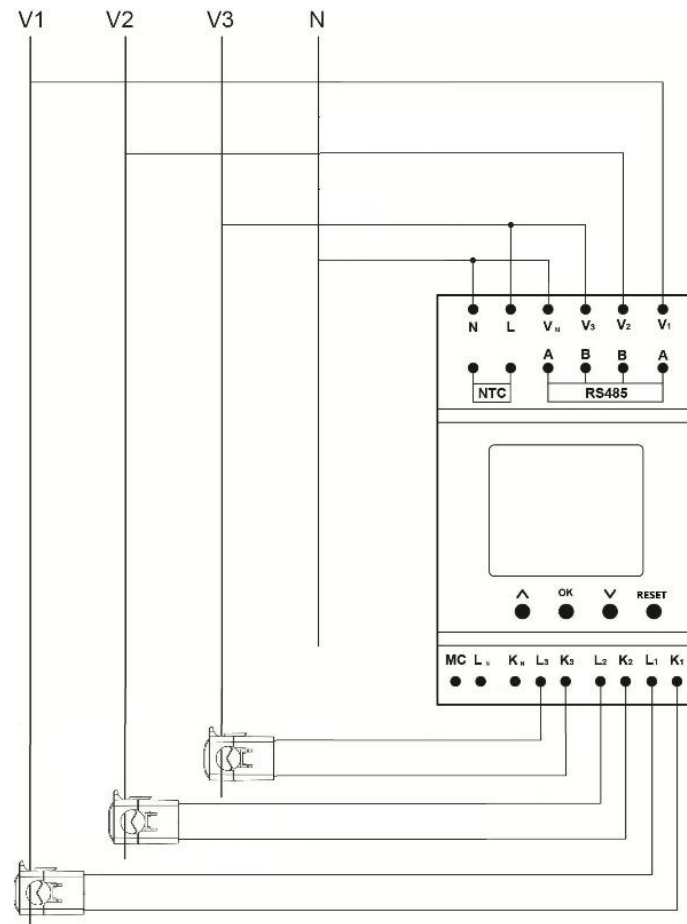
DEXATEK TECHNOLOGY LTD.

16F.-1, No.81, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22101, Taiwan (R.O.C.)

+886 2 8698 4245

sales@dexatek.com

Four Wire Three Phase | 3P4W (without PT)



DEXATEK TECHNOLOGY LTD.

16F.-1, No.81, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22101, Taiwan (R.O.C.)

+886 2 8698 4245

sales@dexatek.com