

# TECHNICAL DATASHEET

**PRODUCT: EL 8400, CLASS 0.5, Bi-directional MFM**



		Parameters	
Precision grade		U、I: 0.2S, P、Q、PF : 0.5S, Active Power : 0.5S, reactive power : 1S, Analog output : 0.5S	
Display mode		LCD	
Signal input	Measurement network	3P4W, 3P3W, single phase	
	voltage	Rated	AC100V、AC380V
		Overload	Duration :1.2 times, instantaneous :2 times/10 s
		Power consumption	<0.1VA
		Impedance	>1MΩ
	current	Rated	AC1A、AC5A
		Overload	Duration :1.2 times, instantaneous :10 times/5 s
		Power consumption	<0.1VA
		Impedance	<20mΩ
	Frequency	45-65Hz, accuracy : ±0.01Hz	
	Harmonics	THDI, THDU, 2nd-15th harmonic content rate	
	Electricity	Bi-directional power energy, Quadrant reactive power	
Power supply	Power supply	AC、DC : 80V~270V	
	Power consumption	<5VA	
Function	Power pulse output	Power Pulse Optical Coupling Output	
	Communication interface	One way RS-485 communication, MODBUS-RTU protocol, Communication rate :1200~9600	
		Digital input	2-way digital input, dry junction mode

Block	Relay output	2 way relay output,AC250V/5A, DC30V/5A
	Analog output	1way analog output : 0/4~20mA or 0~5/10V
Working environment		-10~55°C, Relative humidity ≤93%, non-corrosive gas sites, altitude ≤2500 m
Storage environment		-25~70°C, Relative humidity ≤93%
Security	Insulation	Signal, power supply, output terminal to shell resistance >100 MΩ
	Voltage withstand	Input/output >2 kV