

Electro Industries Utility Billing Meter


NEXUS 1270

- 0.6% W/Hr Revenue Meter
- 20 Year Time of Use
- Loss Compensation
- Power Quality
- Data Logging & Event Recording
- Multiple Communication Paths
- Modbus, DNP3, Ethernet, Web
- Graphical LCD Display
- Normal Mode, Time of Use Mode, Diagnostic Mode
- Two Historic Logs, Multiple Demand Windows
- CBEMA/ITIC Log (Model 1270)
- Setup Parameters Stored in Non-Volatile Memory
- Dial Out on Alarm or Event

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.

A - **B** - **C** - **D** - **E** - **F** - **G**

A	Model	
	1260	Nexus Utility Billing Meter
	1270	Nexus Utility Billing Meter with Advanced Power Quality
B	Memory	
	S	Standard
	A	Advanced
C	Form	
	9S	120-277V L-N; 3E, 4W, Wye
	35S	120-480V L-N; 2E, 3W, Delta
	36S	120-277V L-N; 2 1/2 E, 4W, Wye
	SWB	120-277V L-N; programmable
D	Class	(Amps)
	02	Class 2 (0 to 2 A)
	020	Class 20 (0 to 20 A)
E	Frequency	
	60HZ	
	50HZ	
F	Power Supply	
	S	Standard
	SE	Std External
	DE	18-60V DC
	LV	69V AC ±20%
G	Internal I/O	
	X	None
	INP2	Dial out Modem
	INP10	10Mb Ethernet
	INP100	10/100 Base T
	4IPO	4 Pulse Output Relays

SPECIFICATIONS

Accuracy:

Voltage	0.02%
Current	0.05%
Frequency	0.001Hz
kWh @1.0PF	0.06%
kWh @0.5PF	0.1%
kVAR	0.1%
kVA	0.1%
PF	0.1%

Sensing:	16 bit A/D inputs True RMS measurements 8 channel sample & hold
Digital Inputs:	8 channels, self excited, dry contact
Solid State Outputs (KYZ):	4 channels, form C, 350VDC/120mA
Timing:	Internal clock accurate to 1 min/month IRIG-B input for sync to external GPS signal

Standard Communications:	IR port Two RS-485 serial ports Modbus RTU, Modbus ASCII, DNP3.0 protocols Data Speeds to 115kbps Eight high speed input channels
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Optional Communications:	Internal modems with data buffering Internal Ethernet with multiple socket support & Modbus TCP/IP
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Operating Temperature:	-40°C to 85°C
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Security:	Hardware & Password Locks
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Standard Power (S):	96-550VAC 50/60Hz auto-ranging meter power from any of the 3 phases.
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External Power (SE):	96-275VAC 50/60Hz or 125VDC ±20%
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Dimensions:	S case 6.96" dia x 6.0" deep SWB case 6.813"W x 9.188"H x 9.30"D
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Memory:

Model	Log1	Log2	CBEMA	Event	Waveform	Output	Input
1260S	80 days	32 days		1024		512	512
1260A	691 days	132 days		1024		512	512
1270S	97 days	132 days	1024	1024	64	512	512
1270A	602 days	132 days	1024	1024	96	512	512

EXTERNAL OPTIONAL MODULES

External Modules	
EI/1MAON4	4 Channel Analog Outputs, 0-1mA
EI/20MAON4	4 Channel Analog Outputs, 4-20mA
EI/1MAON8	8 Channel Analog Outputs, 0-1mA
EI20MAON8	8 Channel Analog Output, 4-20mA
EI/8AI1	8 Channel Analog Input, 0-1mA
EI/8AI2	8 Channel Analog Input, 4-20mA
EI/8AI3	8 Channel Analog Input, 0-5VDC
EI/8AI4	8 Channel Analog Input, 0-1VDC
4RO1	4 Relay Outputs
4PO1	4 Solid State Pulse Outputs
8DI1	8 Digital Status Inputs
MBIO	I/O Module Mounting Brackets
PSIO	Additional I/O Power Supply
Software	
NXDS1.0C	Single User Dial-in Server License
AIREPORTS1	AIREPORTS Single User License