

## Electro Industries Utility Billing Meter

DIGITAL METERS



**NEXUS 1262 S Base Case**



**Switchboard Case**

- 0.06% W-hr Revenue Meter
- 4 Quadrant Measurements
- Multi-point Compensation
- Pulse Totalizers
- High Speed Power Quality Waveform Recorders
- Load Profiler and I/O
- Graphical LCD Display
- Up to 4 Com Ports
- RJ11 Modem & Ethernet
- Modbus RTU and Modbus TCP
- DNP3 Serial and Ethernet
- Web Server & Email on Alarm
- MV90 Compatible

### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number. Example: 1262-A-9S-010-60-S-INP200

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

A	Model	
	1262	Nexus Utility Billing Meter
	1272	Nexus Utility Billing Meter with Advanced Power Quality
B	Memory	
	A	Advanced
C	Form	
	9S	3E 4W Wye or Delta, S-base case
	45S	2E 3W Delta, S-base case
	36S	2½E 4W Wye, S-base case
	SWB2	Switchboard case
	9A	3E Wye or Delta, A-base case
D	Class	
	2	0 to 2 A (1A nominal)
	10	0 to 10 A (5A nominal)
	20	0 to 20 A (10A nominal)
E	Frequency	
	60	60 Hz
	50	50 Hz
F	Power Supply	
	S	Standard, blade powered *
	SE	External 102-270V AC/DC
	DE	External 18-60V DC
	LV	69V AC ±20%, blade powered *
G	Communication Option	
	X	None
	INP2	Modem with Dial-Out
	INP200	10/100Base T Ethernet
	INP202	Modem & Ethernet (no dial out)

\* Not available in switchboard case

### SPECIFICATIONS

Accuracy:							
Voltage	0.02%						
Current	0.05%						
Frequency	0.001Hz						
kW, kWh @1.0PF	0.06%						
kWh @0.5PF	0.1%						
kVAR, KVA	0.1%						
PF	0.1%						
Burden on Current Inputs:	Class 2: 0.000312VA @2.5A Class 10, 20: 0.125VA @25A						
Voltage Inputs:	Form 9S, 36S, 9A, SWB: 0 to 277V L-N Form 45S: 0 to 480V L-N Option SE, DE: 600V L-L, 480V L to Vref Option LV: 120V L-L, 69V L to Vref						
Sensing:	16 bit A/D inputs True RMS measurements 8 channel sample & hold						
Digital Inputs:	8 channels, 12VDC self excited for dry contact						
Solid State Outputs (KYZ):	4 channels, form C, 350VDC/120mA, 3750V rms isolation, 35Ω max on resistance						
Timing:	Internal clock accurate to 2 min/month IRIG-B input for sync to external GPS signal Line freq. clock sync - accurate to 1 sec/month						
Standard Communications:	IR port Two RS-485 serial ports Modbus RTU, Modbus ASCII, DNP3.0 protocols Data Speeds to 115200 bps Eight high speed input channels						
Display:	Backlit 128x64 graphic LCD						
Operating Temperature:	-40°C to 85°C (Display: -20°C to 60°C)						
Isolation:	Inputs and outputs: 2500V Comm ports: 1000V to earth and each other						
Security:	Hardware & Password Locks						
External Power (SE):	102-270V AC/DC, 50/60Hz, 12VA max.						
External Power (DE):	18-60V DC, 9W max.						
Dimensions:	S case 6.91" dia x 6.2" deep SWB case 6.85"W x 9.32"H x 8.8"D						
Memory:	All setup parameters, measurements & log data stored in nonvolatile RAM						
Model	Log1	Log2	CBEMA	Event	Waveform	Output	Input
1262S	69 days	32 days		512		512	1024
1262A	480 days	133 days		512		512	1024
1272S	85 days	133 days	512	1024	63	512	1024
1272A	555 days	133 days	512	1024	95	512	1024

### 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
EI/20MAON8	8 Channel Analog Output, 4-20mA
EI/8AI1	8 Channel Analog Input, ± 0-1mA
EI/8AI2	8 Channel Analog Input, ± 0-20mA
EI/8AI3	8 Channel Analog Input, ± 0-5VDC
EI/8AI4	8 Channel Analog Input, ± 0-10VDC
EI/4RO1	4 Relay Outputs
EI/4PO1	4 Solid State Pulse Outputs
EI/8DI1	8 Digital Status Inputs, Wet/Dry
EI/MBIO	I/O Module Mounting Brackets } req'd for I/O options
EI/PSIO	I/O Power Supply
EI/BAT1	External battery for dial out on outage
Single User Software Licenses **	
COMEXT3.1C	Communicator EXT 3.0 for Windows
DISEXT.1C	Dial-in Server License
AIEXT.1C	AiReports EXT Power Analysis for Windows

\*\* Multi-computer licenses also available