

MEASURING INSTRUMENTS AND AUTOMATION



Power and Energy Meters



LONWORKS[®]
M-Bus
L-Bus

- Active Power (kW)
- Reactive Power (kW)
- Energy (kWh)
- Output 1000 pulses per kWh
- Networking capabilities

Single Function Transducers



SINEAX U-543

Voltage measurement
Proportional output ...mA



SINEAX P-530

Active power measurement
Proportional output ...mA



SINEAX F-534

Frequency measurement
Proportional output ...mA ... V



SINEAX G-536

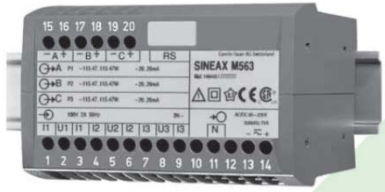
Power factor ($\cos\varphi$) measurement
Proportional output ...mA



SINEAX I-542

Current measurement
Proportional output ...mA

Programmable Multi-Transducers



SINEAX M-561, 2, 3

Monitor 1 to 3 electrical parameters among a total of 30 (like voltage, current, power, frequency, cosφ ... and provide 1 to 3 analogue outputs



SINEAX DME- 401

Monitors a series of electrical quantities and provides MODBUS (RS485) networking



SINEAX DME- 406

Monitors a series of electrical quantities and provides PROFIBUS networking



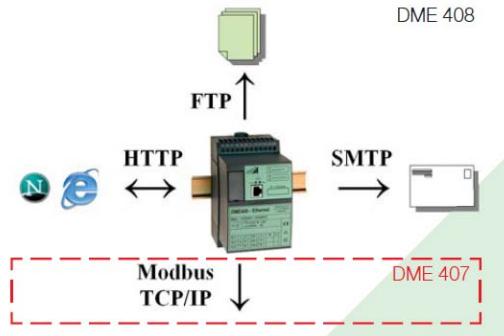
SINEAX DME- 440

Monitors a series of electrical quantities and provides 4 analogue outputs and MODBUS networking



SINEAX DME- 424 / 442

Monitors a series of electrical quantities and provides 2 or 4 analogue and 4 or 2 digital outputs



SINEAX DME- 408 / 407

Monitors a series of electrical quantities and provides extensive networking capabilities via ETHERNET



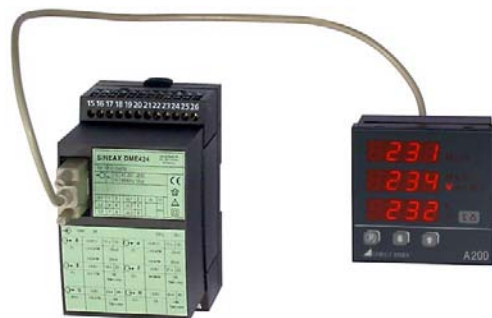
SINEAX CAM

Monitors a series of electrical quantities and provides up to 8 analogue and up to 12 digital outputs. Accuracy 0.2%. Communication via MODBUS & ETHERNET.

Programmable by PC

Electrical Measurement Instruments with Display and Networking

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SINEAX A-200

Display 3 lines, works with SINEAX-DME



SINEAX A-210 / 220

Monitors a series of electrical quantities and provides local display, 2 digital outputs and MODBUS communications. Accuracy 0.5%



SINEAX A-230 / 230s

Monitors a series of electrical quantities, performs harmonic distortion calculations and provides local display, 2 digital outputs and MODBUS & RS232 communications. Accuracy 0.2%



SINEAX A - PLUS

Monitors a series of electrical quantities, performs harmonic distortion calculations and provides local display, 2 digital and 4 αναλογικές outputs or 6 digital and 4 alarms. MODBUS & ETHERNET networking. Data storage in SD-card. Accuracy 0.2%



SINEAX A- 2000

Monitors a series of electrical quantities, performs harmonic distortion calculations and provides local display. MODBUS , PROFIBUS & LON networking. Accuracy 0.25%



EMMOD 201/2/3/4/5

Plug on units for SINEAX A-2XX
Provide extra outputs or networking capabilities

Recorders & Data Loggers



Videographic Recorders



LINAX A-303



LINAX A-305



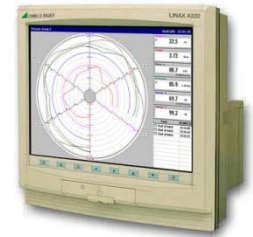
LINAX A-310



LINAX A-320



LINAX A-325



LINAX A-330

Pen recorders – continuous line



LINAX 4000 L/M/H

Pen recorders - dot



POINTAX 6000M



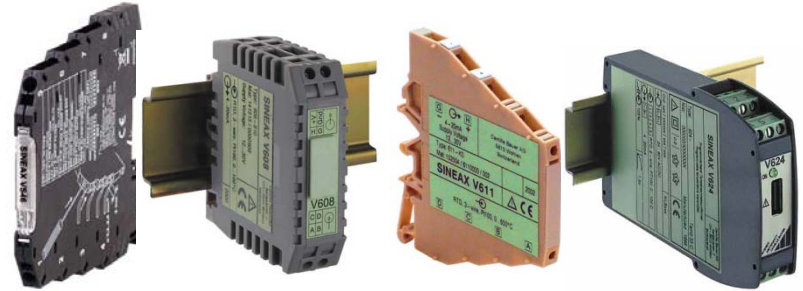
POINTAX 6000L2

Transducers



Rail mounted transducers

- SINEAX VS30 Temp. Transducer, PT100/Ni100 Input, 2-Wire, Programmable (new)
- SINEAX VS40 Temp. Transducer, PT100 Input, I/U Output, with Electr. Isolation (new)
- SINEAX VS46 Temp. Transducer, TC Input, I/U Outputs, with Electr. Isolation (new)
- SINEAX V608 Temp. Transducer, RTD/TC Inputs, without Electr. Isolation, Ex/NEx
- SINEAX V610 Temp. Transducer, PT100 Inputs, without Electr. Isolation
- SINEAX V611 Temp. Transducer, RTD/TC Inputs, without Electr. Isolation
- SINEAX V624 Temp. Transducer, RTD/TC Inputs, with Electr. Isolation, Ex/NEx



Head transducers

- SINEAX VK615 Head Transducer, PT100 Inputs, 2-Wire, without Electr. Isolation
- SINEAX VK616 Head Transducer, RTD/TC Inputs, 2-Wire, Ex/NEx
- SINEAX VK626 Head Transducer, RTD/TC Inputs, 2-Wire, HART, Ex/NEx



Multifunction transducers

- SINEAX VC603 Prog. Combination Transducer-limit Monitor for Temp./DC Quantities, EX/NEx
- SINEAX V604 Prog. Measuring Transducer for Temperature and DC Quantities, Ex/NEx
- SINEAX V604s Prog. Measuring Transducer for Temperature and DC Quantities, 2 Inputs (new)
- SINEAX V620 Universal Converter for mA, V, TC, RTD, Ω (new)
- SINEAX V622 Universal Converter for mA, V, TC, RTD, Ω (new)



Multimeters

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BASE	PRO	TECH	X-TRA	Functions
■	■	■	■	Voltage measurement
■	■	■	■	TRMS AC and AC+DC
1kHz	10kHz	10kHz	20kHz	Bandwidth (TRMS)
100kHz	100kHz	100kHz	1MHz	Frequency measurement
	■	■	■	Current measurement
	■	■	■	Low-pass filter (1 kHz)
		■	■	Capacitance measurement
			■	bidirectional IR interface
			■	Data memory (4 Mb)
			■	Mains connection
12	16	20	23	Measuring functions



TRMS Medical Multimeter

Reliable special instrument for testing, service and production in the field of medical technology



TRMS Insulation Multimeter

Can be used in the field for mobile servicing of household appliances, machinery, vehicles such as forklifts and electrical systems



Cable Multimeter

Measures all cable and system relevant parameters such as voltage, current, resistance, insulation and loop resistance, capacitance and cable length



TRMS System Multimeter

Suitable for safe measurements under highly adverse conditions: Wind, water, cold and heat are no problem for this instrument.

Portable Instruments



Insulation resistance

METRISO 5000D-PI

Certification of electrical installations (per HD384)
PROFITEST MASTER



Network Analyzers
MAVOWATT 30



MAVOWATT 50



Certification of photovoltaic installations
PROFITEST PV



ENIA S.A. 59B Apostolopoulou Str.
GR-15231 Halandri
Athens, Greece
Tel: +30 210 6754801
Fax:+30 210 6754804
info@enia.gr
www.enia.gr