

MFQ96021

IME Nemo 96 EA Power Analyser with RS485 Modbus Auxiliary Supply 80 to 265V AC



POWER ANALYSERS



Component type	Power quality recorder
Range	NEMO 96 EA
Model	N/A
Product status	Existing

The IME NEMO 96 EA power analysers are perfect for applications where detailed energy and power analysis is required. A high sample rate makes monitoring harmonics up to the 40th order possible, recording sags, swells and other voltage disturbances. Easy to configure and connect to remote monitoring systems via various add-on modules including pulse, alarm, control I/O and analogue outputs.

ELECTRICAL

Nominal voltage (Un) L-L	80-690 V
Nominal voltage (Un) N-L	50-400 V
Supply voltage AC 50 Hz	80-265 V
Supply voltage AC 60 Hz	80-265 V
Voltage type of supply voltage	AC
Number of voltage measurement inputs	3
Number of current measurement inputs	3
Max. power dissipation	5 W
Accuracy class reactive energy according to IEC 62053-23	Not suitable
Measuring range for frequency	45-65 Hz
Measurement of harmonics in frequency range 2 kHz - 9 kHz	No
Measurement of harmonics in frequency range 9 kHz - 150 kHz	No
Flicker according to IEC 61000-4-15	Yes
With transient detection	No
Self-powered	No
Data evaluation according to EN 50160	No
Type of display	LCD
Ethernet-connections	0
With audit logging (audit log)	No
Measurement parameter kW	Yes
Measurement parameter kW demand	Yes
Measurement parameter kWh	Yes
Measurement parameter kWh demand	Yes
Measurement parameter partial kWh	Yes

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ELECTRICAL

Measurement parameter kVA	Yes
Measurement parameter kVAR	Yes
Measurement parameter kVARh	Yes
Measurement parameter partial kVARh	Yes
Measurement parameter VA	Yes
Measurement parameter VAR	Yes
Measurement parameter F	Yes
Measurement parameter PF	Yes
Measurement parameter Hz	Yes
Measurement parameter VL-L	Yes
Measurement parameter VL-N	Yes
Measurement parameter THD (I)	Yes
Measurement parameter THD (V,I)	Yes
Measurement parameter TRMS (V,I)	Yes
Measurement parameter An	Yes
Measurement parameter ADMD	Yes
Measurement parameter VADMD	No
Measurement parameter VARDMD	Yes
Measurement parameter WDMD	Yes
Measurement parameter W	Yes
Measurement parameter voltage sequence diagnostics	Yes
Measurement parameter hour run	No
Accuracy class	0.5

COMMUNICATION

Alarm output	No
Configuration method	Keypad
Data transfer via PQDif	No
Fault record transmission via COMTRADE	No
Supporting protocol for IEC 61850 Ethernet	No
Supporting protocol for OPC UA PubSub	No
Supporting protocol for PROFIBUS	No
Supporting protocol for Modbus	Yes
Supporting protocol for PROFINET IO	No
Supporting protocol for other bus systems	No
Supporting protocol for DeviceNet	No
Supporting protocol for ControlNet	No
With firmware signature	No
With logging of security events (security event log)	No
With Role Based Access Control (RBAC)	No
Web server with HTTPS transfer protocol	No

CONSTRUCTION

Number of analogue inputs	0
Number of analogue outputs	0
Number of digital inputs	0
Number of digital outputs	0
Degree of protection (IP), front side	IP54

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CONSTRUCTION	Terminal type	Screw
	Material housing	Polycarbonate (PC)
MECHANICAL	Display	LCD
	Remote display	No
DIMENSIONS	Height	96 mm
	Width	96 mm
	Depth	74 mm
ENVIRONMENT	Operating temperature	-5...55 °C
	Storage temperature	-25...70 °C
	Humidity type	Non-condensing
	Pollution degree	2

RELATED PRODUCTS

ACCESSORY



Item No: IF96001

Required: No

Description: IME Nemo 96 HD Modbus RS485 Communication Plugin Module



Item No: IF96002

Required: No

Description: IME Nemo 96 HD RS232 Communication Plugin Module



Item No: IF96003

Required: No

Description: IME Nemo 96 HD 2 Pulse Outputs Plugin Module



Item No: IF96004

Required: No

Description: IME Nemo 96 HD 2 Analogue Output 0 to 4 to 20mA Plugin Module



Item No: IF96005

Required: No

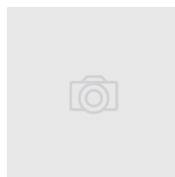
Description: IME Nemo 96 HD 2 Alarms SPST Plugin Module



Item No: IF96006

Required: No

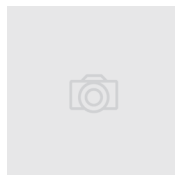
Description: IME Nemo 96 HD Neutral Current Measuring Plugin Module



Item No: IF96010

Required: No

Description: IME Nemo 96 HD 2 SPST Input 2 Output Plugin Module



Item No: IF96011

Required: No

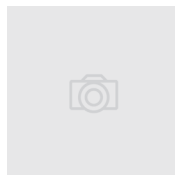
Description: IME Nemo 96 HD 24V 2 I/O Plugin Module



Item No: IF96015

Required: No

Description: IME Ethernet Communication Module for Nemo96HD/HD+/HDLe



Item No: IF96016

Required: No

Description: IME Nemo 96 HD Temperature Plugin Module