MFQ96022

IME Nemo 96 EA Power Analyser with RS485 Modbus Auxiliary Supply 11 to 60V DC

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 DC	11-60 V
Voltage type of supply voltage	DC
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
Measurement parameter kVA	Yes

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ELECTRICAL	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
	Terminal type	Screw

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CONSTRUCTION	**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

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