

## POWER METERS & ANALYZERS

N43	NR30	NR30PNET	NR30BAC	NR30IoT	ND03	ND04	ND08	N14	ND10	ND20LITE	ND20CT	ND20	ND22	ND25
3-phase / RS-485 Modbus Slave					1 and 3-phase				3-phase RS-485 Modbus Slave					
Ethernet Profinet BACnet IP MQTT									Ethernet BACnet IP					

## POWER METERS & ANALYZERS

## ENERGY METERS FOR DIN RAIL MOUNTING

## SYNCHRONIZATION METERS

## PF CONTROLLER

ND30	ND30PNET	ND30BAC	ND30IoT	N100	ND45	NMID30-1	NMID30-2	NR10	K55	SA12/SA19	NF20	
3-phase / RS-485 Modbus Slave / Ethernet						1 A / 5 A 3 x 230 / 400 V			10 (100A) 3 x 230 / 400 V		10A (100 A) 230V (1-phase)	
Modbus TCP/IP Profinet BACnet IP MQTT						RS-485 Modbus RTU			RS-485 Modbus Slave		RS-485 Modbus Slave	
Modbus TCP/IP									RS-485 Modbus, Ethernet Modbus TCP/IP		4,6 or 8 relays	
									dual ranges		RS-485 Modbus	
									57...500 V			

## DIGITAL METERS

N24	N25	N19Z	N20	N20PLUS	N20HPLUS	N20Z	N20ZPLUS	N21	N27D	LLM3	N30U	N30o	N30H	N30P	N32U	N32o	N32H	N32P	N27P	NA3	NA5PLUS/NA6PLUS
fixed input U/ I/ temperature/ a.c. signals / d.c. signals								universal d.c.	fixed		programmable input/ RS-485 Modbus Slave						LED/ programmable/ Slave				
RS-485 Modbus Slave								vertical display	a.c. phase indicator		21-point rescaling						d.c.				
											32-point rescaling										

## TRANSDUCERS, SEPARATORS, MONITORS

P10	P10Z	P20	P20Z	T22CT	T23CT	P21Z	P20H	P15	P17	P20G	P17G	P41	P43	P30U	P30o	P30H	P30P	P18L	P18	P18D	P18S	P19	HT20	HT20IoT	
fixed	universal			fixed		fixed / RS-485 Modbus Slave		fixed		separators		universal	a.c. fixed/ RS-485 Modbus	universal / programmable / Ethernet / RS-485 Modbus				temperature and humidity transducers / RS-485				monitor / Ethernet + PoE			
d.c.	a.c.	d.c.	a.c.	a.c.	a.c./d.c.	a.c.	d.c.	dwa wyj.	d.c.	d.c.		a.c.		21-point rescaling				CANopen							MQTT

## ULTRASONIC LEVEL METER & SENSOR

ULT20	ULS10
measurement distance/res.: 0.5...8 m / 0.001 m	
RS-485 Modbus Slave ; USB Device, v.2.0.	
RS-485 Modbus Slave	

## TEMPERATURE CONTROLLERS & LIMITERS

RE11	RE22	RE71	RE81	RE72	RE82	RE92	RE55	RE60	RE62	RE01	RL10
programmable input		fixed input		programmable / RS-485 Modbus		dual loop / Ethernet / RS-485 Master & Slave		fixed input		programmable / RS-485 Modbus	
										fixed	
										programmable / RS-485	

## POWER CONTROLLERS

## RECORDERS

## DATA LOGGERS

RP7	RP1	RPL1	RP3	HT20	HT20IoT	HT22IoT	HT25	KD6	KD7	KD8	PD22	SM61IoT	HT25
1-phase		3-phase		up to 4 channels		up to 12 channels	up to 16 channels	up to 60 channels	24-channel	6-channel	up to 1000 registers		up to 16 channels
				Ethernet	MQTT	RS-485 Modbus Master lub Slave, Ethernet		RS-485 Modbus Master & Slave, Ethernet		RS-485 Modbus Slave	RS-485 Modbus Master & Slave		RS-485 Modbus Master lub Slave, Ethernet, MQTT

## I/O MODULES, COMMUNICATION MODULES



SM1	SM2	SM3	SM5	SM4	S4AI	S4AO
2-channel fixed	4-channel fixed	2-channel program.in	8-channel fixed input	4/8-channel fixed output	4 program.in/ 2x Modbus	4 fixed out/ 2x Modbus

## INTERFACE/ PROTOCOL CONVERTERS



PD51	PD8	PD10
RS-232/485	RS-232/485 RJ45	RS-485 USB

## POWER SUPPLIES



ZS20-1P	ZS20-1K	ZS20-1L	ZS20-1A	ZS20-1B	ZS20-1C
24V/0.63 A	24V/1.5 A	24V/1.75 A	24V/2.5A	24V/5A	24V/7.5A
15W	36W	45W	60W	95...120W	120...180W

## SOFTWARE TOOL



Free software for configuration of Lumel products.



Free application for searching and monitoring LUMEL devices working in the network.



## PORTABLE MULTIMETERS & CLAMP METERS



NP45	NP40	NP15	NP15B	NP10	NP06	NP08	NC14	NC12	NC11	NT10
power quality analyzer		digital multimeters					clamp meters			insulation meter

## ANALOG METERS

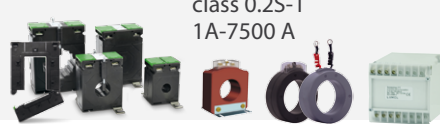


## SHUNTS



class 0.2  
1A-2.5 kA

## CURRENT TRANSFORMERS



class 0.2S-1  
1A-7500 A

Current transformers dedicated to ND20CT



## CAM SWITCHES



PKT/ PKS/ PKH	PKR	TKR
changeover, multi-step, isolator, selector switch	ON-OFF	spring return switches 1xNO 1xNC / spring return switches 2xNO 2xNC

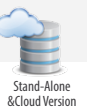
## PROTECTION RELAY



CZIP-PRO	extCZIP-PRO	CZIP-2R-PRO/ extCZIP-2R-PRO	CZIP-PV-PRO/ extCZIP-PV-PRO
Numerical protection relays for utilities and industry MV switchgears	Numerical protection relay for MV switchgears with additional inputs and outputs and communication ports	Automatic bus transfer relay for MV switchgears	Integrated protection and control relay for EPV switchgears and other renewable energy sources

## PROCESS VISUALIZATION SOFTWARE

- PowerVis Software
- LUMEL PROCES Software
- Marc Software



## PHOTOVOLTAIC STRING INVERTERS



PVSA  
10, 15, 20, 25, 34 kW  
up to 3 trackers



## REVERSE POWER CONTROLLER FOR PVSA INVERTERS



SPCS  
Prevents the inverter power from being exported to the grid by controlling the Inverter power.

## TERMINALS FOR PHOTOVOLTAIC POWER PLANTS



CZIP-PV PRO/ ext CZIP-PV PRO  
Integrated protection and control relay for photovoltaic power plants switchgears and other renewable energy sources.

## GREEN ENERGY

## OEM | ODM | EMS

## LABORATORY



Temperature



Electrical quantities



Temperature and relative air humidity

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