NEW!

Type	N24	N25	N20	N20Z	N21	N27D
Input	fixed N24T, N25T: Pt100, J, K N24S, N25S: 0/4...20 mA, ±60 mV d.c., ±10 V d.c. N24H, N25H: ±100, ±250, ±400 V d.c., ±1/5 A d.c. N24Z, N25Z:100, 250, 400 V a.c., 1/5 A a.c., 20...500 Hz		fixed Pt100, J, K 0/4...20 mA, ± 20 mA 0...60 mV, 0...10 V, ± 10 V	fixed 1 A, 5 A a.c. 100 V, 250 V, 400 V a.c. 20...500 Hz	programmable Pt100 J, K ± 20 mA, ± 10 V, ±60 mV	fixed 0...500 V a.c. 0...63 A a.c. -31.5...31.5 kW 45...500 Hz
Output	supplying output (24 V/ 30 mA) for S and T versions (option)		• 2 x OC • supplying output (24 V/ 30 mA)	2 x OC	• 1 x relay NO, 250 V~/0.5 A~, • supplying output 24 V d.c. ± 5%, 30 mA	-
Display	red LED 4 digits (20 mm)	red LED 5 digits (14 mm)	3-colour programmable LED 5 digits (14 mm)		OLED 128 x 32 pixels in amber colour	yellow LED 4 digits (8.5 mm)
Supply voltage	24 V a.c., 110 V a.c., 230 V a.c., 85...253 V a.c./d.c., 20...40 V a.c./d.c. (option)		85...253 V or 20...40 V a.c./d.c.		universal 22..60 V a.c. / 20..60 V d.c. (terminals 12-13) 60..253 V a.c. / 60..300 V d.c. (terminals 13-14)	230 V a.c.
Protection rating	IP65					IP00
External dimensions	96 x 48 x 64 mm					110 x 53 x 60 mm
Programming	free LPCon/ eCon software (using PD14 programmer)		free LPCon software (using PD14 programmer)		free eCon software (using miniUSB)	-
Additional functions	rescaling					selection of displayed quantities (U, I, P, E)

NEW!

Type	N30U	N30H	N30o	N30P	N27P
Input	programmable Pt100/500/1000 J, K, N, E, R, S ± 20 mA 0...10 V, -10...60 mV 400, 4000 Ω	programmable 1/5 A d.c., 100/500 V d.c.	programmable pulse input (pulses, frequency, rotational speed, period, operating time counter, encoder)	programmable 0...1/5 A 0...100/400 V 1-phase power network parameters	programmable 1/5 A or direct measurement 32/63 A 100 V/400 V a.c. 1-phase power network parameters
Output	4 x relays (2 NO + 2 NOC) - option, 1 x analog 0/4...20 mA or 0...10 V - option, 1 x pulse in N30P meter - option, supplying output (24 V/ 30 mA) in N30U and N30O (for supply 85...253 V)				2 relays (2 NO) or 1 x relay (NO) + 1 x output 0/4...20 mA
Interface	RS-485 Modbus Slave - option				RS-485 Modbus Slave
Display	3-colour programmable LED 5 digits (14 mm)				OLED 0.96" yellow
Supply voltage	85...253 V a.c./d.c. or 20...40 V a.c., 20...60 V d.c.		85...253 V a.c./d.c. or 20...40 V a.c./d.c.		85..253 V a.c. 90...300 V d.c.
Protection rating	IP65				IP50 (1/5 A) or IP00 (32/63 A)
External dimensions	96 x 48 x 93 mm				110 x 53 x 60 mm
Programming	free LPCon/ eCon software (using RS-485) or using buttons				free eCon software (using miniUSB, RS-485 or buttons)
Additional functions	• Conversion of any measured value into a current or voltage analog signal. • Storage of minimal and maximal values for all measured quantites. • 21-point rescaling for the measured value (does not apply to N30P and N27P)		• Password protection. • Programmable current and voltage transformer ratio (applies to N27P and N30P).		

MEASUREMENT

Type	NA3	NA5	NA6
Input	programmable Pt100/500/1000, J, K, N, E, R, S, T 0...5/20 mA d.c., 0...2/5 A d.c., 0...60 mV d.c., 0...10/600 V d.c., 0...3/10/600 V d.c. 0...4 kΩ	programmable Pt100/500/1000, J, K, N, E, R, S, T $\pm$ 40 mA d.c., $\pm$ 5 A d.c., $\pm$ 300 mV d.c., $\pm$0...600 V d.c., 0...10 kΩ	
Output	1 x relay or 2 x OC (option); 1 x analog (option)	4 x relay or 8 x OC (option); 1 x analog (option)	
Interface	RS-485 Modbus Slave - option		
Bargraph	3 or 7-colour programmable horizontal	3 or 7-colour programmable vertical	2 x 3 or 7-colour programmable vertical
Display	LED 4 digits (7 mm) or 4 digits (14 mm)	LED 4 digits (7 mm)	2 x LED 4 digits (7 mm)
Supply voltage	95...253 V a.c./d.c., 20....40 V a.c./d.c.		
Protection rating	IP40	IP50	
External dimensions	96 x 24 x 125 mm	48 x 144 x 100 mm	
Programming	free LPCon software (using RS-485) or using buttons		
Additional functions	• 2-point rescaling • arithmetical functions x^2, $\sqrt{x}$, (+, -, *, / - only in NA6) • logging of the measured signal in programmed time intervals (750 samples)	• memory of minimal and maximal values for all measured quanstites • password protection • conversion of any measured value into a current or voltage analog signal	

APPLICATION EXAMPLES

Current measurement in an electroplating plant

N21

DC

DC

Electroplating tub

Supply

Measurement, alarming ang logging of load current for a 1-phase engine

x4

N30P

KD8

AC

AC

Supply

LCTB

Engine

LUMEL
EVERYTHING COUNTS