

## N24

Universal input digital panel meter for measurement of d.c. voltage or d.c. current, temperature from Pt100 sensors and J, K thermocouples, a.c. voltage and a.c. current.

N24H11XX  
4 Digit Panel Meter, ±100V DC input, 240V ac



- Universal input (Programmable)
- Wide voltage, AC/DC control
- 4 Digit LED display

### PRODUCT DESCRIPTION

Please refer to the image below for ordering information.

\*\*Part numbers have changed from ending with E0 to M0, please be advised any part numbers below that end in E0 may say M0 in the datasheet. The product is the same.\*\*

ORDERING						
<b>TABLE 1. ORDERING CODES:</b>						
	N24	X	X	X	XX	XX
<b>Input kind:</b>						
standard: voltage, current		S				
temperature: thermocouples, resistance thermometers		T				
a.c. signals		Z				
d.c. signals: high voltage and high current		H				
<b>Input:</b>						
see table 2			X			
<b>Supply:</b>						
230 V a.c.				1		
85...253 V a.c./d.c. with supply output 24 V/30 mA*				4		
20...40 V a.c./d.c. with supply output 24 V/30 mA*				5		
<b>Unit:</b>						
see table 3					XX	
<b>Version:</b>						
standard						00
non-standard settings						NS
custom-made**						XX
<b>Language:</b>						
Multilingual (polis-english)						M
other**						X
<b>Acceptance tests:</b>						
with test certificate						1
acc. to customer's request**						X
* -The output is only in N24S and N24T meters						
** - After agreeing with the manufacturer						
<b>TABLE 2. INPUT SIGNALS</b>						
Nr	N24S	N24T	N24Z	N24H		
1	0...20 mA	Pt100: -50...150°C	100 V a.c.	±100 V d.c.		
2	4...20 mA	Pt100: -50...400°C	250 V a.c.	±250 V d.c.		
3	0...60 mV	Thermocouple J	400 V a.c.	±400 V d.c.		
4	0...10 V	Thermocouple K	1 A a.c.	±1 A d.c.		
5	± 60 mV		5 A a.c.	±5 A d.c.		
6	± 10 V		20...500 Hz	0...100 V d.c.		
7				0...250 V d.c.		
<b>TABLE 3. CODES OF PRINTED UNITS:</b>						
Code	Unit	Code	Unit	Code	Unit	
00	without unit	06	mA	12	bar	
01	°C	07	kA	13	kPa	
02	%	08	kV	14	MPa	
03	A	09	Hz			
04	V	10	turns	XX	on order	
05	mV	11	rpm			
<b>TABLE 4. EXAMPLE OF NON-STANDARD SETTINGS:</b>						
Parameter		Range/Value				
Decimal point		000.0 for I, U				
Averaging time		1 s				
Upper measurement overflow		9999				
Lower measurement overflow		-1999				
Individual characteristic		enabled				
Parameter a of the individual characteristic		5				
Parameter b of the individual characteristic		0				
<b>Order example 1 :</b>						
The code N24Z-2 1 04 00 M 1 means:						
N24Z - digital meter for a.c. signals						
2 - input: 250 V a.c.						
1 - supply: 230 V a.c.						
04 - unit: V						
00 - standard version						
M - multilingual						
1 - with test certificate						
<b>Order example 2 :</b>						
The code N24S-1 4 02 NS M 1 means:						
N24S - digital meter for d.c. signals						
1 - input: 0...20mA						
4 - supply: 85...253 V a.c. with supply output: 24V/30mA						
02 - unit: %						
NS - non-standard settings, display range: 0...100.0						
M - multilingual						
1 - with test certificate						

### TECHNICAL DATA

Additional functions	Rescaling
Digit height	20 mm
Dimensions	96 x 48 x 64 mm Panel cut-out: 92+0,6 45+0,6 mm
Display	Yes

<b>Input type</b>	±100V dc
<b>IP class</b>	IP65
<b>Mounting</b>	Panel mount
<b>Number of digits</b>	4
<b>Supply voltage</b>	240 V ac
<b>Temperature operational max</b>	55 °C
<b>Temperature operational min</b>	-10 °C
<b>Weight</b>	0,25 kg