OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

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.

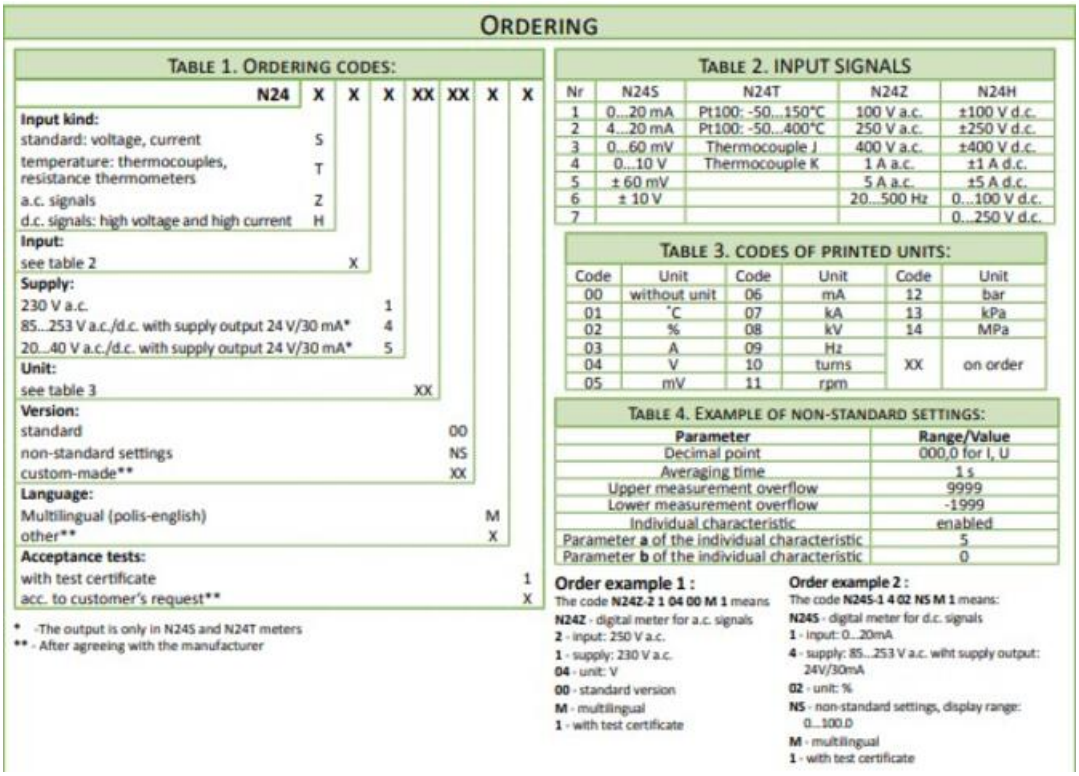
N24Z31XX
4 Digit Panel Meter, 400V ac input, 240V ac



- 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

TABLE 1. ORDERING CODES:

N24	X	X	X	XX	XX	X	X
Input kind:							
standard: voltage, current	S						
temperature: thermocouples, resistance thermometers	T						
a.c. signals	Z						
d.c. signals: high voltage and high current	H						
Input:							
see table 2		X					
Supply:							
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				
Unit:							
see table 3				XX			
Version:							
standard					00		
non-standard settings					NS		
custom-made**					XX		
Language:							
Multilingual (polis-english)						M	
other**						X	
Acceptance tests:							
with test certificate							1
acc. to customer's request**							X

* - The output is only in N24S and N24T meters
** - After agreeing with the manufacturer

TABLE 2. INPUT SIGNALS

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.

TABLE 3. CODES OF PRINTED UNITS:

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	XX	on order
04	V	10	turns		
05	mV	11	rpm		

TABLE 4. EXAMPLE OF NON-STANDARD SETTINGS:

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

Order example 1 :
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

Order example 2 :
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. wiht supply output: 24V/30mA
02 - unit: %
NS - non-standard settings, display range: 0...100.0
M - multilingual
1 - with test certificate

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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

Input type	400V ac
IP class	IP65
Mounting	Panel mount
Number of digits	4
Supply voltage	240 V ac
Temperature operational max	55 °C
Temperature operational min	-10 °C
Weight	0.25 kg