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

N25

Universal input digital 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.

N25Z53XX
5 Digit Panel Meter, 5A ac input, 24V ac



- Universal input (Programmable)
- Wide voltage, AC/DC control
- 5 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 will say M0 in the datasheet. The product is the same.

TABLE 1. ORDERING CODES:

N25	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				
110 V a.c.			2				
24 V a.c.			3				
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 (polish-english)						M	
other**						X	
Acceptance tests:							
without extra requirements							0
with an extra quality inspection certificate							1
acc. to customer's request**							X

* - the output is only in N25S and N25T meters
** - after agreeing with the manufacturer

TABLE 2. INPUT SIGNALS

Nr	N25S	N25T	N25Z	N25H
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	99999
Lower measurement overflow	-19999
Individual characteristic	enabled
Parameter **a** of the individual characteristic	5
Parameter **b** of the individual characteristic	0

Order example 1 :
The code **N25Z-2 1 04 00 E 0** means:
N25Z - 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 version
0 - without extra requirements

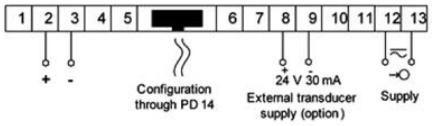
Order example 2 :
The code **N25S-1 4 02 E 1** means:
N25S - digital meter for d.c. signal
1 - input: 0...20mA
4 - supply: 85...253 V a.c.
02 - unit: %
NS - non-standard settings, display range: 0...100.0
M - Multilingual version
1 - with an extra quality inspection certificate

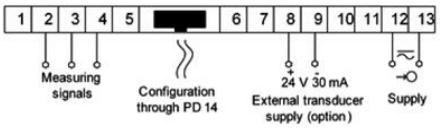
;

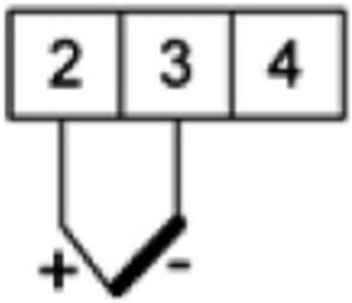
TECHNICAL DATA

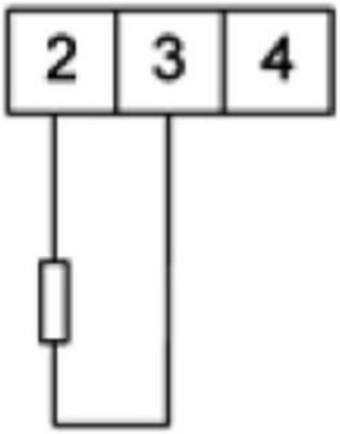
Digit height	14 mm
IP class	IP65
Number of digits	5
Supply voltage	24V ac
Temperature operational max	55 °C

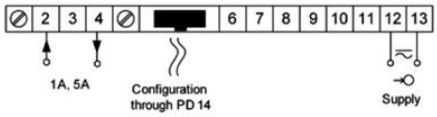
Temperature operational min	-10 °C

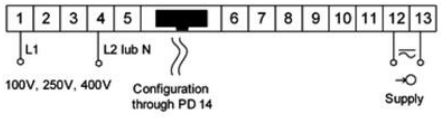


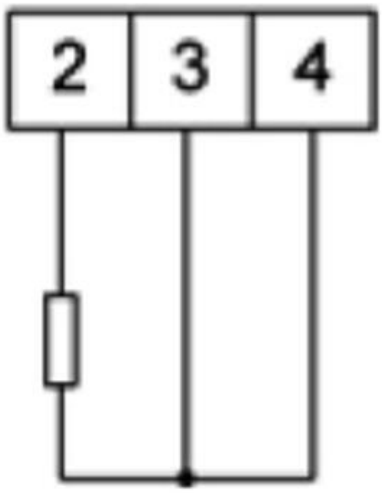


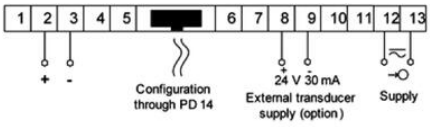


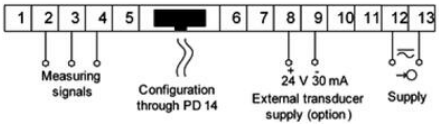


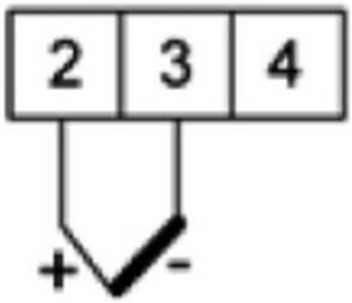


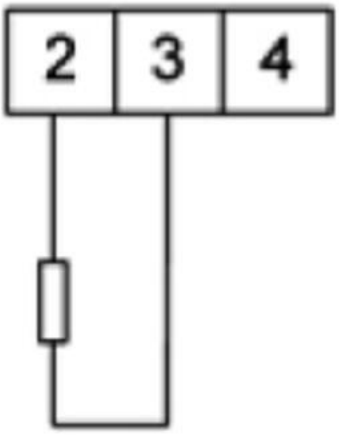


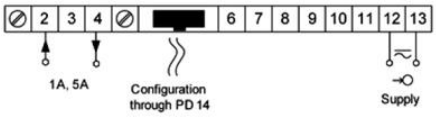


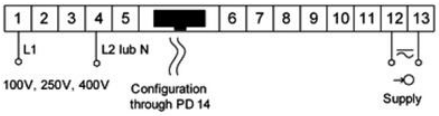


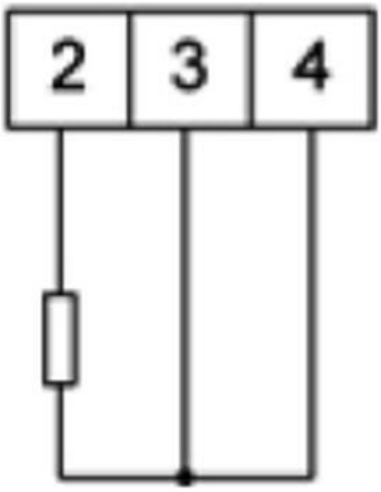



2
3
4
+
-


2
3
4


2
3
4
6
7
8
9
10
11
12
13
1A, 5A
Configuration
through PD 14
Supply


1
2
3
4
5
6
7
8
9
10
11
12
13
L1
L2 lub N
100V, 250V, 400V
Configuration
through PD 14
Supply


2
3
4