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## N20

Universal input digital panel meter for measurements of d.c. voltages, d.c. currents or temperature.

N2032XX Panel Meter, 2 x OC outputs, K type input, 20-40V ac/dc



- Universal Input (Programmable)
- Wide voltage, AC/DC control
- 3 Colour, 5 Digit display. Red, green and orange

### PRODUCT DESCRIPTION

#### Application

The N20 meter is a digital programmable panel instrument destined for measurements of d.c. voltages or d.c. currents: uni or bipolar, temperature through thermocouples (J, K) and Pt100 resistance thermometers.

#### Features

- three-colour display: red, orange, green, facilitating the observation of measured value changes,
- readout field: 5-digit LED, 14 mm digit height,
- 2 alarm outputs of OC type (4 types of alarms),
- signaling of alarm states through the highlight of the alarm index,
- housing protection level: IP 65,
- programming possibility of chosen meter parameters with the use of the PD14 programmer and free delivered LPConfig software:
- display colour, individually in three intervals,
- thresholds of displayed overflows
- display precision of the result (decimal point),
- highlight of the unit,
- automatic or manual temperature compensation of ends in measurements with thermocouples,
- averaging time of the measurement,
- two alarms of OC type operating in six working modes.
- recalculation of indications (individual characteristic),

Please refer to the image below for ordering information.



				- 21	ORD	ERING					
TABLE 1. ORDERING CO	DE	S:					TABLE 2.	CODES O	F HIGHLIGH	TED UN	HT:
N20 -	х	х	XX	XX	X	Code	Unit	Code	Unit	Code	
Input:			2222	1.000		00	without unit	17	μm	34	
Pt100: -50400°C	1					01	v	18	mm	35	
Thermocouple J: -501200°C	2					02	A	19	cm	36	
Thermocouple K: -501370°C	3					03	mV	20	m	37	
020 mA	4					04	kV	21	km	38	
420 mA	5					05	MV	22	1	39	
± 20 mA	6					06	mA	23	1/5	40	
00 mV	7					07	kA	24	l/h	40	-
010 V	8					07	MA	24		41	-
± 10 V	9						*C		ms	42	
Supply:						09		26	5		
85253 V a.c./d.c.		1				10	*F	27	h	44	
2040 V a.c./d.c		2				11	K	28	N	45	1
Unit:			-			12	Hz	29	kN	46	-
unit code number acc. to table 2			XX			13	kHz	30	Pa		-
Version:						14	Ah	31	hPa		
standard				00		15	kAh	32	kPa	XX	on
custom-made*				XX		16	m/s	33	MPa		
non-standard settings				99		1) - afte	r agreeing wi	th the ma	anufacturer		
Acceptance tests:											
without extra requirements					8	Highligh	t of the measure	ed value			ON
with an extra quality inspection certificate					7		c compensation of terminal temperature				OF
acc. to customer's request*					x	Averagi	compensation o	of terminal	temperature	-	0
- after agreeing with the manufacturer					and the second		verflow of meas	urement		-	9999
						Lower of	verflow of meas	urement			-199
						Individu	al characteristic				ON

#### ORDER EXAMPLES

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Example 1 The code N20 - 9 1 01 00 8 - means: N20 meter with voltage input on ± 10 V, supply: 85... 253 V a.c., without extra quality requirements, "V" unit

Example 2 The code N20 - 5 2 38 99 8 + description of non-standard settings

Parameter	Range/Value
Displayed colour of the upper measured value	red
Displayed colour of the median measured value	green
Displayed colour of the lower measured value	orange
Upper threshold - KpH	44.00
Lower threshold - KpL	40.00
Decimal point	00.000

05					
	MV	22	1	39	
06	mA	23	I/s	40	turns
07	kA	24	l/h	41	rps
08	MA	25	ms	42	rpm
09	°C	26	5	43	rph
10	*F	27	h	44	m/h
11	K	28	N	45	km/h
12	Hz	29	kN	46	imp
13	kHz	30	Pa		1
14	Ah	31	hPa		on order1
15	kAh	32	kPa	XX	
16	m/s	33	MPa	1	
lanual co	mpensation	of terminal	temperature	2112	OFF
		of terminal	temperature		0
veraging pper ow	time enlow of mea	surement	temperature		0 1 s 99999
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Unit

bar

rad

Ω

kΩ

%

\*\*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.\*\*

# **TECHNICAL DATA**

Digit height	14 mm
Dimensions	96 x 48 x 64 mm Panel cut-out: 92+0,6 45+0,6 mm
Display	Yes
Input type	Thermocouple K: -50-1200°C
IP class	IP65
Mounting	Panel mount
Number of rows	1
Power consumption	6 VA
Supply voltage	20-40V ac/dc
Туре	Without unit,V,A,mV,kV,MV,mA,kA,MA,°C, °F,K,Hz,kHz,Ah,kAh,m/s,μm,mm,cm,m,km,I,I/s,I/h,ms,s,h,N,kN,Pa,hpa,kPa,Mpa,bar,rad,Ω,kΩ,%, °,turns,rps,rpm,rph,m/h,km/h,imp
Weight	0.25 kg

