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# N20Z

AC parameter digital panel meter for measurements of a.c. voltages, a.c. currents, or frequency.

N20Z21XX
Panel Meter, 2 x OC outputs, 250V ac input, 85-230V ac




- AC voltage, AC current or frequency input
- Wide voltage, AC/DC control
- 3 Colour, 5 digit display. Red, green and orange

## PRODUCT DESCRIPTION

### APPLICATION

The N20Z meter is a digital programmable panel instrument destined for measurements of a.c. voltages or a.c. currents, or frequency.

### 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,
- kind of measured signal a.c. or a.c. + d.c. (True RMS),
- averaging time of the measurement,
- recalculation of indications (individual characteristic),
- two alarms of OC type operating in six working modes.

Please refer to the image below for ordering information.

## Part number key

| Digital panel meter N20Z - | X | X | XX | XX | X |
|---|---|---|---|---|---|
| **Input:** | | | | | |
| 100 V | 1 | | | | |
| 250 V | 2 | | | | |
| 400 V | 3 | | | | |
| 1 A | 4 | | | | |
| 5 A | 5 | | | | |
| frequency 20... 500 Hz | 6 | | | | |
| **Supply Voltage:** | | | | | |
| 85... 253 V a.c. (45...65 Hz) or d.c. | | 1 | | | |
| 20... 40 V a.c. (45...65 Hz) or d.c.. | | 2 | | | |
| **Unit:** | | | | | |
| code number of the unit acc. table 2 | | | XX | | |
| **Kind of execution:** | | | | | |
| standard | | | | 00 | |
| special execution | | | | XX | |
| custom-made | | | | 99 | |
| **Acceptance tests:** | | | | | |
| without extra additional requirements | | | | | 8 |
| with an extra quality inspection certificate | | | | | 7 |
| acc. to customer's agreement | | | | | X |

| TABLE 2. CODES OF HIGHLIGHTED UNIT: | | | | | |
|---|---|---|---|---|---|
| Code | Unit | Code | Unit | Code | Unit |
| 00 | without unit | 17 | µm | 34 | bar |
| 01 | V | 18 | mm | 35 | rad |
| 02 | A | 19 | cm | 36 | Ω |
| 03 | mV | 20 | m | 37 | kΩ |
| 04 | kV | 21 | km | 38 | % |
| 05 | MV | 22 | l | 39 | ' |
| 06 | mA | 23 | l/s | 40 | turns |
| 07 | kA | 24 | l/h | 41 | rps |
| 08 | MA | 25 | ms | 42 | rpm |
| 09 | °C | 26 | s | 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 | | |
| 14 | Ah | 31 | hPa | XX | on order[1] |
| 15 | kAh | 32 | kPa | | |
| 16 | m/s | 33 | MPa | | |

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# TECHNICAL DATA

| | |
|---|---|
| **Additional functions** | Rescaling |
| **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** | 100V |
| **IP class** | IP65 |
| **Mounting** | Panel mount |
| **Number of digits** | 5 |
| **Supply voltage** | 20-40V ac/dc |
| **Weight** | 0.25 kg |

