

DA 6000-N

The LED indicator with integrated operating panel for digital pyrometers



- **Temperature display**
5 digit 7-segment LED

- **Mode display**
4 digit alphanumeric LED

- **Everything via digital interface**
R232 or R485 (half duplex)

- **for stationary IMPAC digital pyrometers**
Fast temperature display
Read and change all pyrometer parameters without PC



Infratherm DA 6000-N is a high-precision LED indicator for Infratherm non-contact temperature measuring devices with excellent additional properties.

Beyond pure indication of measured temperature, you can parametrize a connected IMPAC digital pyrometer via the DA 6000-N completely, without any PC.

This is especially interesting for measurement of batches with different properties (e.g. different emissivities or different dimensions)

When a new batch starts, you can change the corresponding parameters from the operation desk (e.g. emissivity, response time, reset time of the maximum value storage, measuring sub-range).

The digital interface of DA 6000-N can be RS232 or RS485 (half-duplex).

RS485 is necessary if used with large cable lengths. In this case the digital pyrometer of course has to be equipped with an RS485, too.

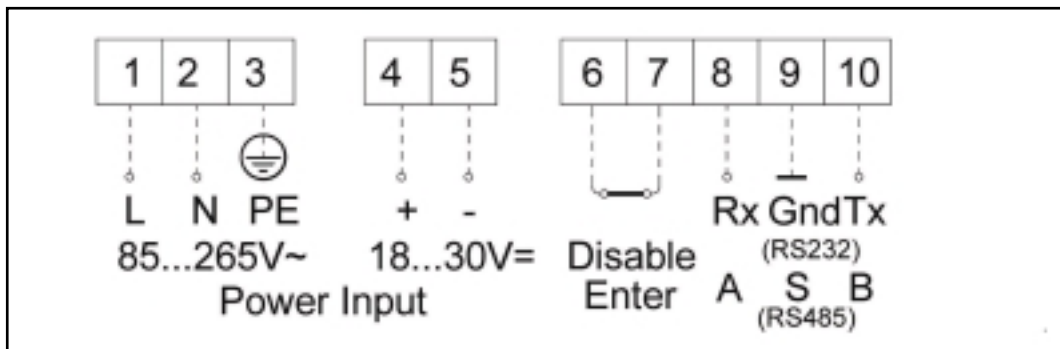


→ The supply voltage for DA 6000-N may be either 85 to 265 V AC or 18 to 30 V DC. So it can be used all over the world.

Technical data

DA 6000-N

Temperature display:	5 digit 7 segment LED, 13 mm, red
Menu display:	4 digit LED matrix, 5 mm, red
Temperature range:	-100.0°C...3200°C (-148.0°F...5792°F)
Power supply:	85...265 V AC, 48...62 Hz or 18...30 V DC, ripple max 0.5 V _{pp}
Power consumption:	approx. 7 VA (no external devices connected)
Pyrometer interface:	Galvanically separated, optionally RS232 or RS485 half duplex, Baudrate 1.2...38.4 kBd for communication with a digital pyrometer
Operating ambient temp.:	0...50°C on the housing
Storage temperature:	-20...70°C
Weight:	approx. 350 g
Enclosure rating:	Front panel IP 40, otherwise IP 20 (DIN 40 050)
Display resolution:	0.1°C up to 999,9°C; 1°C for temps. above (0.2°F up to 1831.8°F, 1°F above)
Housing:	Plastic housing (flame retardant Noryl), 48 x 96 x 141 mm (DIN 43 700) front panel fixed with screw clips.
Front panel cut-out:	45 ^{+0.6} x 92 ^{+0.8} mm
Mounting depth required:	≥ 165 mm with clips and cable
Connector type:	Plug-in clips, clamping area 0.13 to 2.5 mm ² (AWG 28 to 16) with conductor end tubes 0.5 to 1.5 mm ²
Measuring rate:	depends on baud rate, e.g. 50 ms at 19.2 kBd Display refresh time: 300 ms or immediately (see measuring rate) at changes > 5°C Toggling °C/°F display unit only, not pyrometer Menu depends on type connected pyrometer and operating mode



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