

	ELEN, s.r.o., Ľubochnianska 16, 080 06 Ľubotice, Slovakia	
	DATASHEET	Datasheet No.:
Product name	Numerical display for industrial applications	11080907
Type / Model	NDI 100/3 R L65	
Order code	ZZ0300-H.00	Date of last revision: 09.08.2011



The NDI 100/3 R L65 series displays are designed for demanding industrial conditions and are intended for the displaying of output numerical values of various measured physical quantities (weight, temperature, speed...), with a floating decimal point. The displays' casings are of a proved double-wall design, made of zinc-plated steel sheets, powder paint coated. Anti-reflection dark front glass is made of 5 mm PPMA, which ensures a good contrast. In order to limit the impact of vibrations, the internal electronics is mounted flexibly on rubber blocks. Industrial power supply and data connectors ensure a reliable electric connection. In the free area right of the digits it is possible to place a fixed description as necessary.

Technical Specifications

Height of characters	100 mm
Number of digits	3
Format	<i>B.B.B.</i>
Readability range	40 m
Type of display elements	7-segment superbright LEDs, suitable for use in indoor light conditions, luminous intensity ca. 46 mcd per segment, viewing angle 120°
Colour of display elements	Red
Fixed labels	°C, kg, t, ks, mm, m/min, %, and other as necessary
Communication interface	Serial RS232/RS485 with galvanic separation (switchable inside the device), Ethernet TCP/IP, Profibus DP, passive input BCD 24 V with galvanic separation, LonWorks® FTT-10, parallel, analog inputs (0-10 V, 0-20 mA, 4-20 mA, counter 1 kHz), and other upon request
Communication protocol	ELEN, Schenck DDP 8850, DDP 8861 (Disomat B, Disomat F), Profibus DP, Intecont Plus, Orbit Controls, LonTalk, and other upon request
Power supply	110 V / 230 V, tolerance +6 / -10%, 50 Hz
Data / mains connector	Binder 713 / Binder 714
Class of protection	IP 65
Operating temperature	-30°C ÷ +50°C
Dimensions	585 mm x 220 mm x 210 mm (please see dimensional drawing)
Weight	12.4 kg

Displaying of statuses in weighing applications

Stable zero reading	- 0 -
Unstable weight	Blinking reading
Stable weight	Stable reading
Tare	Alternately blinks <i>tAr-R</i> and reading
Overflow	Indicated by <i>oUt</i> on display
Control unit error	Indicated by <i>Err</i> on display
Overrun of maximal preset value	Indicated by <i>ooo</i> on display

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Dimensional Drawing

