

45MM NUMERIC READOUT



USER'S GUIDE ND7017B

A compact rugged IP65 serial readout for harsh environments.

Options include 4-20mA Analog, Ethernet + PoE and more.

MATERIALS:	Stainless 316L steel front and Recycled ABS plastic back.
TEMP RANGE:	-20°C to +70°C (User Interface to -10°).
TECHNOLOGY:	6 digits TN LCD with white LED backlight.
POWER:	24Vdc / 1W (excluding addons).
INTERFACE	Serial RS232/RS422/RS485.
SIZE (WxHxD):	260x160x55 mm (Shipping: 320x170x80mm).
WEIGHT:	1,2kg net (Shipping: 1,35kg).
CONNECTION:	M16 Cable gland (OD 5-10mm)

Used in

- *Nutrition and process industries*
- *Weight applications*



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For more information,
scan the QR code.

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OVERVIEW

The rugged display is made to present numeric values or simplified characters.

With the standard ND5134 Controller installed it will interpret incoming characters on the serial line.

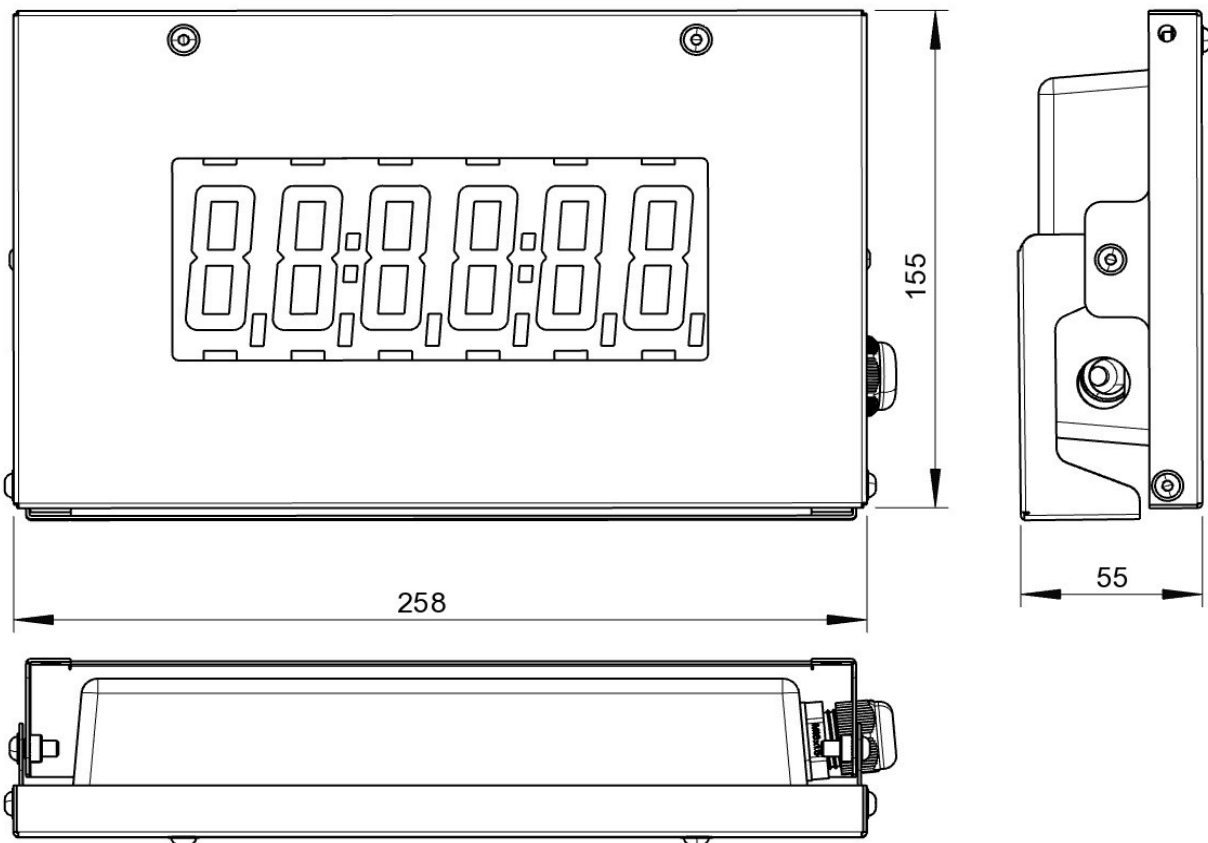
Automatically finds communication parameters provided full messages are received at least once/second. Manual setting may be required.

Alternative interfaces and power options are available.

Various operative parameters may be set e.g. to preserve power.

See controller manual for more information.

MECHANICAL DRAWING



INSTALLATION

MECHANICAL NOTES:

- The cable gland could be mounted on either side of the display.
- Tilting the display a little will often improve readability.
- M5 screws should be tightened to 2-3Nm.
- Shielding the display from environmental forces is preferred.
- Bracket can be flipped for more flexible mounting.

ELECTRICAL NOTES:

- Cable gland is M16 for cable outer diameter = 5 to 10mm
- Conductors should be 0,2mm² to 1,5mm².
- Dismantle each conductor to be terminated 7mm.
- Keep ground leads short.
- If shielded, only ground one side of the cable.

SETTING UP THE DISPLAY:

1. Unscrew the lid open (TX25).
2. Insert cable through the cable gland.
3. Connect power wires to +V and -0V.
4. Connect communication wires to the correct terminal input.
5. Turn on power and set up controller to your liking.
6. Mount display to wall / ceiling / platform using included bracket.
7. Remove protective liner.
8. Screw the lid closed (TX25).

For more information on how to set up the controller, look up the manual for your specific controller.

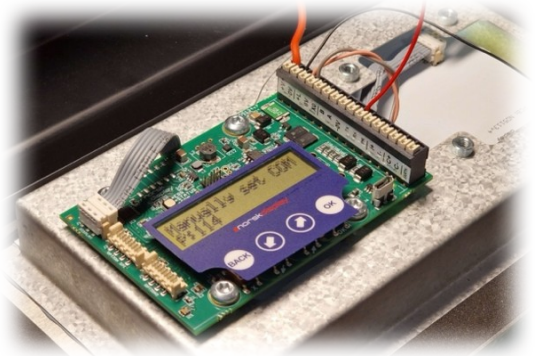
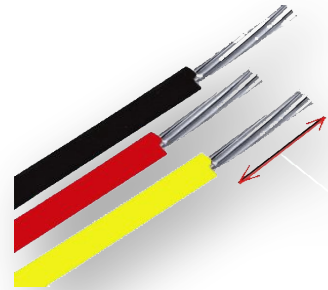
Tools needed:

- Torx TX25 and TX20



Items NOT INCLUDED in package:

- ø4-6mm Screws/bolts to fix the bracket to a wall
- Pole mounting: saddle clamps.



WARNING

Electronic cards are sensitive to electrostatic discharge. Use proper grounding when handling!

MAINTENANCE

Correct installation and maintenance will ensure problem free operation for many years of service even under extreme conditions. Note that mechanical stress and use of chemical substances and UV light could severely affect life expectancy.

Keeping the front surface clean will improve legibility. Use a mild detergent and lots of water on a wet cloth to avoid scratching the surface.

Unscrew the screws carefully to ensure threads don't get stripped.
Ensure proper connection of wires.

NOTE:
Chemicals for wash down or disinfection of nutrition lines are known to disintegrate gaskets. Hot salt water is also considered aggressive.

Contact factory for updates and requests!

OPTIONS	GIVE US FEEDBACK	LIFETIME SUPPORT																
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Interfaces:</td> <td style="width: 50%;">Power:</td> </tr> <tr> <td>Ethernet</td> <td>PoE</td> </tr> <tr> <td>WiFi</td> <td>DC/DC</td> </tr> <tr> <td>Sub-1GHz</td> <td></td> </tr> <tr> <td>RF</td> <td></td> </tr> <tr> <td>Fieldbus(external)</td> <td></td> </tr> <tr> <td colspan="2">Mechanical options:</td> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> • Out-from wall </td> </tr> </table>	Interfaces:	Power:	Ethernet	PoE	WiFi	DC/DC	Sub-1GHz		RF		Fieldbus(external)		Mechanical options:		<ul style="list-style-type: none"> • Out-from wall 		<p>We appreciate any feedback.</p> <p>Suggestions or critical remarks are best sent to the support email.</p>	<ul style="list-style-type: none"> • Help during installations. • Free adaption for interfacing your equipment <p style="text-align: center;">support email: sales@norskdisplay.com Tel: +47 3288 7000</p>
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