

NEWALL NMS300 Quick Start Guide

For the complete manual please download from:
<http://newall.com/nms300>

⚠ Warnings

The mains supply is connected into a switch mode power supply (separate from your NMS300) via a detachable supply cord (supplied). If another supply cord is used, it must have fitted a C5, 10A, EARTHED mains connector with a cord rated for at least 10A.

If a mains plug is not already fitted to the supply cord or is of the wrong type, then a suitable EARTHED plug should be used which complies with the relevant specifications for plugs and socket-outlets.

You can only use the NMS300 with Newall Spherosyn300 and Microsyn300 encoders.

Unit only to be serviced by Newall qualified personnel or authorised alternatives.

If a Spherosyn300 encoder travels over 3.2m an error message will be displayed, see full manual for details.

Turn off the power by disconnecting the power supply connector before you connect the encoder(s)

Technical Specification

Environmental

Operating Temperature
0 to 50°C

Storage Temperature
-20 to 70°C

Electrical

EU Directive 73/23/EEC (Low Voltage-Directive)
BS EN 55022:1998 Class B
BS EN 55024:1998

Environmental Conditions - IP40 (Stand Alone)

Relative Humidity - maximum 95% for temperature up to 31°C

Input to power supply unit (supplied)
100-240V (47-63Hz)

Disposal

At the end of its life, you should dispose of the NMS300 in a safe manner applicable to electronic goods. The case work is suitable for recycling. Please consult local regulations on disposal.

External switch-mode
output voltage 15VDC

Conforms to low voltage directive

Note: Newall Measurement Systems reserve the right to change specification without notice

Connections



EUROPE

Newall Measurement Systems Ltd.
Technology Gateway, Cornwall Road South
Wigston, Leicester LE18 4XH
United Kingdom
Tel: +44 (0) 116 264 2730
sales@newall.co.uk
www.newall.co.uk

AMERICAS

Newall Electronics Inc.
USA
Tel: +1 614 771 0213

CHINA & TAIWAN

Sensata Technologies China Co., Ltd
People's Republic of China
Tel: +86 212 2306 1500

SINGAPORE & KOREA

Sensata Technologies Co., Ltd
Singapore
Tel: +65 647 86 867

JAPAN

Sensata Technologies Japan Ltd.
Japan
Tel: +81 45 277 7120

More information at sales@newall.com • www.newall.com



Understanding the keypad



- Axis selection key
- Zero Set: Switches between zero and axis pre-set modes
- Abs Inc: Switches between absolute and incremental modes
- Inch mm: Switches between inch and mm display
- Undo key
- Menu key
- Calculator mode
- Centre find
- Numeric keys
- Enter key
- Clear key
- Navigation keys
- Function keys
- Calculator functions

Zero an axis in zero mode

Ensure NMS300 is in zero mode **Zero** of axis 1, 2 or 3

Zero an axis in set mode

Ensure NMS300 is in set mode **Set** hold of axis 1, 2 or 3

Pre-set an axis

Ensure NMS300 is in set mode **Set** of axis 1, 2 or 3

Entering setup

PRO SETUP **CODE**

Setting up the unit

