



## Sensata DP700 MK2 Digital Readout System User Guide

[Home](#) » [Sensata](#) » Sensata DP700 MK2 Digital Readout System User Guide 

### Sensata DP700 MK2 Digital Readout System User Guide



For the complete manual please download from:  
<http://newall.com> , Click Technical Support to access the download page.

#### Contents

- [1 Warnings](#)
- [2 Technical Specification](#)
- [3 SETTING UP THE UNIT](#)
- [4 Documents / Resources](#)
  - [4.1 References](#)
- [5 Related Posts](#)



**Warnings**

The mains supply is connected into a switch mode power supply (separate from your DP700) 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 DP700 with Newall Spherosyn and Microsyn analogue encoders.

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

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

## Technical Specification

### Environmental

#### Operating Temperature Storage Temperature

-10°C to 50°C -20 to 70°C

**Environmental Conditions** – IP40 (Stand Alone) IP54 (Panel Mount)

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

#### Disposal

At the end of its life, you should dispose of the DP700 in a safe manner applicable to electronic goods.

The case work is suitable for recycling. Please consult local regulations on disposal

#### Electrical

EU Directive 73/23/EEC (Low Voltage Directive)

**BS EN 55022:1998 Class B**

BS EN 55024:1998

#### Input to Power Supply Unit (Supplied)

100-240V (47-63Hz)

#### External switch-mode

Output voltage 15VDC

#### Input Voltage to DP700

15-24VDC  $\pm 10\%$

Conforms to Low Voltage Directive





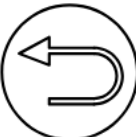








**Note:** Newall Measurements Systems reserves the right to change specifications without notice.

## Connections



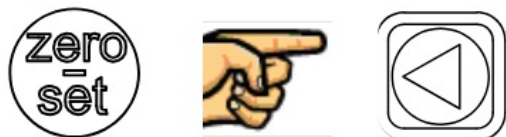
## Understanding the Keypad



Axis Selection Key		Numeric Keys		Enter Key		Clear Numeric Entry	
Center Find		Undo Key		Digifind / Reference		Switches between Zero and Axis Preset modes	
Switches between Absolute and Incremental modes		Switches between Inch and mm display		Information selection (scrolls through options on Message display)		Function Menu Key	
Function Navigation Keys		Sleep key					

### Zero an Axis in Zero Mode

Ensure DP700 is in Zero Mode



of Axis 1, 2 or 3

### Zero an Axis in Set Mode

Ensure DP700 is in Set Mode

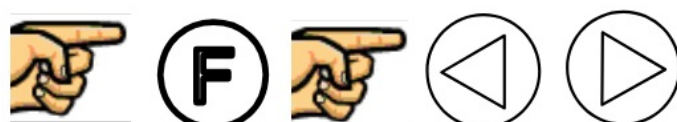


### Preset an Axis

Ensure DP700 is in Set Mode



### ENTERING SETUP



Until display shows

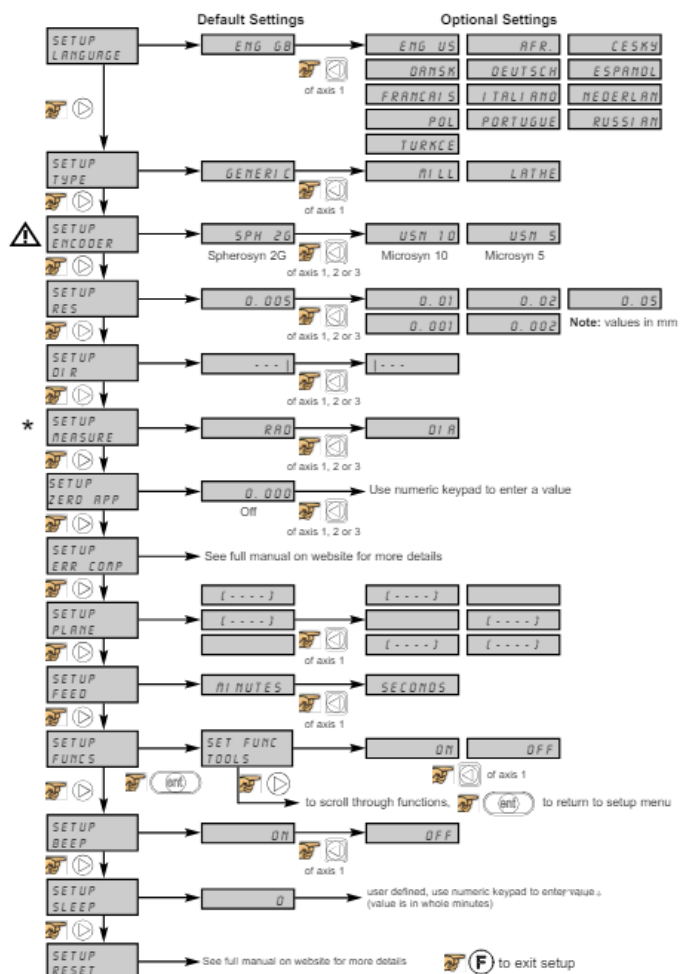


display shows

# FUNCS SETUP



## SETTING UP THE UNIT



Must be set to match encoders on the machine

AMERICAS Newall Electronics Inc. 1803 OBrien Rd Columbus, OH 43228

Tel: +1 614 771 0213

[sales@newall.com](mailto:sales@newall.com)

[newall.com](http://newall.com)

**REST OF WORLD**

Newall Measurement Systems,Ltd. Business Park, Unit 1 Wharf Way Glen Parva, Leicester LE2 9UT

**United Kingdom**

Tel: +44 (0) 116 264 2730

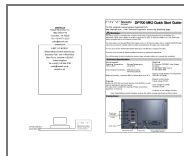
[sales@newall.co.uk](mailto:sales@newall.co.uk)

[newall.co.uk](http://newall.co.uk)



---

## Documents / Resources



[Sensata DP700 MK2 Digital Readout System](#) [pdf] User Guide  
DP700 MK2 Digital Readout System, DP700, MK2 Digital Readout System, Digital Readout System, Readout System, System

## References

- [Newall Measurement Systems - Linear Encoders and Digital Readouts \(DRO\) - Digital Readout Systems and IP67 Linear Encoders](#)
- [Newall Electronics - Digital Readout \(DRO\) and Linear Encoders](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.