

HEAD OFFICE
Newall Measurement Systems Ltd.
 Technology Gateway, Cornwall Road
 South Wigston
 Leicester LE18 4XH
 United Kingdom
 Telephone: +44 (0)116 264 2730
 Facsimile: +44 (0)116 264 2731
 Email: sales@newall.co.uk
 Web: http://newall.com

Newall Electronics, Inc.
 1778 Dividend Drive
 Columbus, OH 43228
 Telephone: +1 614 771 0213
 Toll Free: 800.229.4376
 Facsimile: +1 614 771 0219
 Email: sales@newall.com
 Web: http://newall.com



023-81360-UK/0

A full hard copy of the manual is available free of charge on request

NEWALL DP700 Quick Start up Guide

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

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.

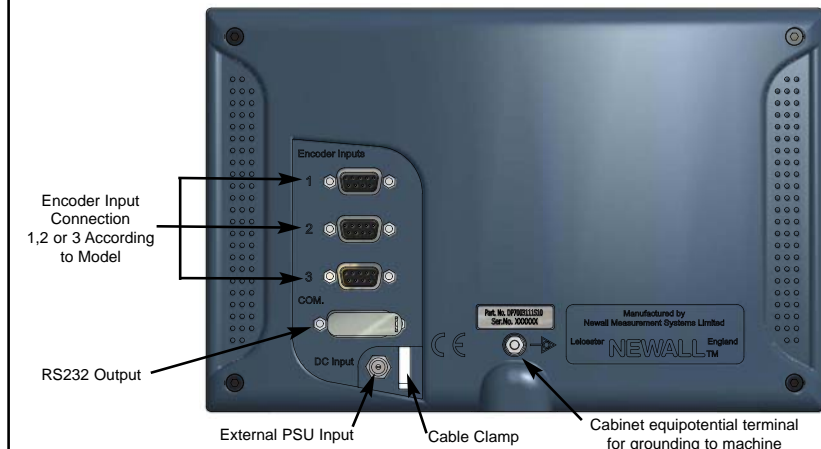
The power supply must be disconnected before opening the unit and completed by qualified personnel.

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

Technical Specification

Environmental		Electrical
Operating Temperature -10°C to 50°C	Storage Temperature -20 to 70°C	EU Directive 73/23/EEC (Low Voltage Directive) BS EN 55022:1998 Class B BS EN 55024:1998
Environmental Conditions - IP40 (Stand Alone) IP54 (Panel Mount)		Input to Power Supply Unit (Supplied) 100-240V (47-63Hz)
Relative Humidity - maximum 95% for temperature up to 31°C		External switch-mode Output voltage 15VDC
Disposal At the end of it's 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.		Input Voltage to DP700 15-24VDC ±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
- Digifind / Reference
- Numeric Keys
- Switches between Zero and Axis Preset modes
- Switches between Absolute and Incremental modes
- Switches between Inch and mm display
- Enter Key
- Clear Numeric Entry
- Information selection (scrolls through options on Message display)
- Centre Find
- Undo Key
- Function Menu Key
- Function Navigation Keys

Zero an Axis in Zero Mode

Ensure DP700 is in Zero Mode of Axis 1, 2 or 3

Zero an Axis in Set Mode

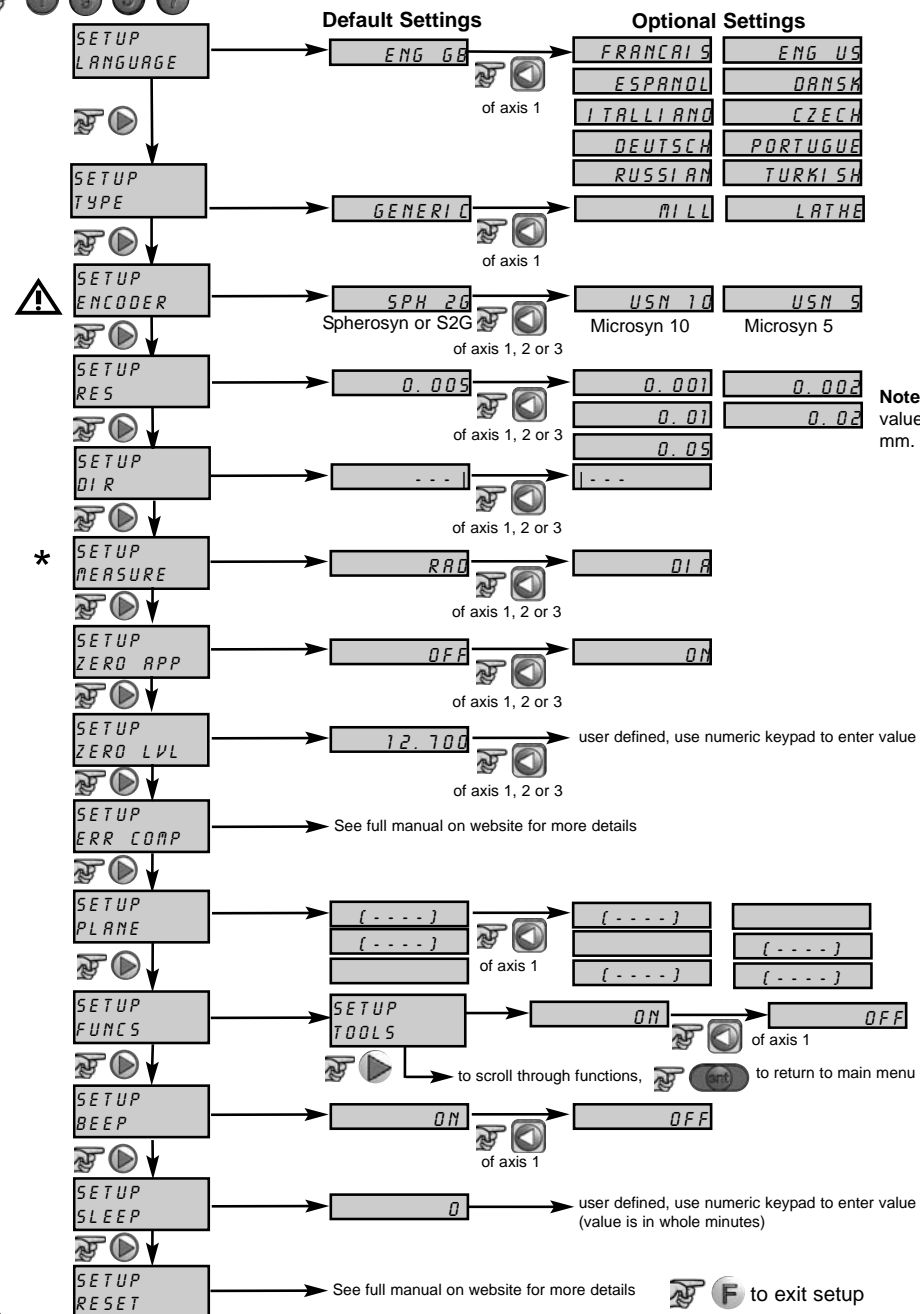
Ensure DP700 is in Set Mode of Axis 1, 2 or 3

Preset an Axis

Ensure DP700 is in Set Mode =

Setting up the Unit

How to enter setup



Must be set to match encoder's on the machine * Lathe version, X axis set to DIA as default