

# Colour Touch Screen Joystick



## Features:

- 3 axis hall effect joystick
- Two function buttons
- Speedwheel for feedrate control
- High resolution colour touchscreen
- Easy to use graphic interface
- Hardwired Emergency Stop Button
- Built in speaker for audio feedback
- Left and right handed operation
- Probehead index control
- 3m CAT5 cable easily extendable
- Remote operation of Windows PC
- Custom CAD software functions
- Software extendable user interface

## Applications:

Fully automatic co-ordinate measuring machines

Automatic measuring systems

CNC inspection equipment

CNC & NC machine tool

Robotics

## Colour Touch Screen Joystick

The Deva 031 colour touch screen joystick combines axes control, user status display and user function selection in one easy to operate device.

The Deva 031 sits comfortably in the left or right hand and provides simple access to the three axis joystick, speed wheel and function buttons.

Feedback of the machine status is clearly depicted through the use of colour graphics on the high resolution touchscreen.

Touching the screen provides access to an unlimited set of functions allowing access to machine operation and CAD software features.

### Main Screen Functions

- The drive enable icons indicates the status of the axis drives. It can be touched to toggle the drives off and on.
- The individual axis enable icons indicate the status of the axes and may be touched to toggle individual axis off and on.
- The joystick enable icon indicates the state of the Joystick and may be touched to toggle the joystick off and on.
- The orientation icon shows the layout of the machine XY axes. Touching the icon cycles through the four possible orientations which depend on where the operator is standing.
- The probe enable icon indicates the status of the touch probe and may be pressed to toggle the probe off and on.
- The three axis positions are displayed.
- Axis lock is indicated by the present of a lock icon by the axis letter. Touching one off the axis letters will toggle the axis lock function off and on.
- The position of the speedwheel is indicated by a horizontal bar graph.
- Touching the config button calls up the configuration screen.
- Touching the PHC button calls up the Probe Head Control screen.
- Touching the PC button calls up the Windows PC control screen.

### Configuration Screen

The Deva 031 configuration screen allows access to configuration preferences.

- It is possible to select Left or Right handed operation.
- The audio keyclick can be enabled or disabled.
- The audio volume can be adjusted to one of four levels including off.

### Probe Head Control Screen

The Deva 031 probe head control screen allows control of an indexing probe head via either the joystick or buttons on the touch screen.

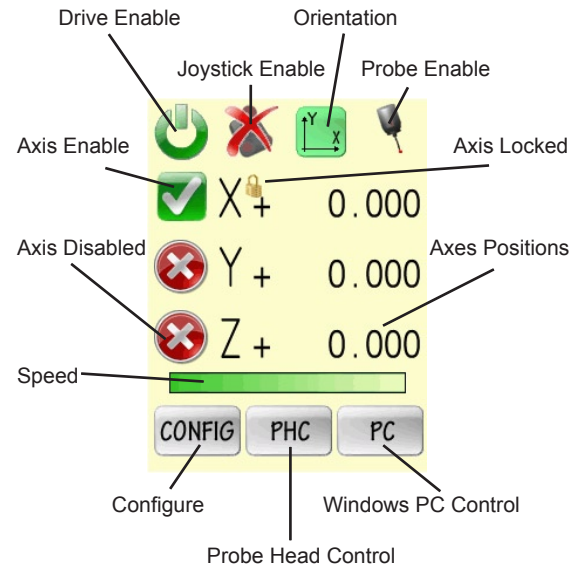
### Windows PC control screen

The Windows PC control screen allows a user to navigate and press buttons on the PC screen. During this operation the PC screen is displayed on the colour touch screen. It is possible to navigate with the joystick XY and zoom in and out with the Joystick Z control. The two push buttons act as left and right mouse buttons.

### Quality

We aim to provide our customers with the highest quality products and customer support. Our team of experienced engineers are available to discuss your specific applications.

Our products are designed and manufactured in the UK and include a 36 month, no quibble warranty.



## Module Specification

<b>Screen Resolution</b>	320 x 240 , 8 bit colour
<b>Joystick</b>	3 axis hall effect
<b>Sound Levels</b>	4
<b>Cable</b>	3m CAT5
<b>Size</b>	210 x 80 x 40mm
<b>Weight</b>	250g
<b>Emergency Stop</b>	Category 2

Order Code	Description
031-HND*	Handheld joystick

\* only available for use with Deva004 motion/CMM controller or Deva004 / Deva030 Servo Amplifier Package.



Deva Electronic Controls Ltd  
52 Woodside Business Park  
Birkenhead  
Wirral  
CH41 1EL  
United Kingdom

Tel: +44 (0)151 647 3222  
Fax: +44 (0)151 647 4511  
Email: sales@deva.co.uk  
Web: www.deva.co.uk