

Digmaster Pro

– 2D / 3D excavator machine guidance



PRO | grade

Functions



2D DIGGING
CONTROL



3D DIGGING
CONTROL

Suitable for

- ▶ Excavators
- ▶ Backhoes

FUNCTIONALITY

Digmaster Pro is a flexible product for excavator machine guidance allowing operators to choose between working in 3D or 2D according to need. Compared with similar systems Digmaster Pro has superior functionality and display so the operator is better able to utilise the system's capabilities throughout the working range. With extensive configurability and options the display can be tailored to show exactly what is required at any point in the excavating cycle. Import of files is simplified through the use of Prolec's unique "Pro Job" software allowing multiple file formats to be easily converted to the most efficient terrain map and then similarly exported on the completion of the job. The program will run almost any positioning (GNSS) system so you are guaranteed hassle free set up and wide applicability regardless of the positioning solution on site.

Benefits

- ▶ Superior display for ease of use and personalisation
- ▶ Icon driven menu allows use in any language and without extensive training
- ▶ Industry benchmark for speed of operation and response
- ▶ Productivity gains in double digits through efficiency and removal of waste
- ▶ Consistency of operation regardless of skill level

Digmaster Pro

– 2D / 3D excavator machine guidance

Standard Features

- ▶ Switch between 2D and 3D as needed (GNSS system required)
- ▶ Icon driven menu with customisable favourites
- ▶ Familiar Windows™ operating system
- ▶ Pan/zoom and rotate feature for improved visibility of work area
- ▶ Fully removable touch screen computer can be transported between multiple excavators
- ▶ Display monitors bucket position precisely in real time
- ▶ Progress maps in multiple colours allows easy review of work progress
- ▶ On target indicators through graphics and colour coding
- ▶ Multiple tool point positions for precision grading
- ▶ Unlimited bucket and special tool designs available (see Prolec for complex tools)
- ▶ Configurable auto zoom and “rainbow” bucket features
- ▶ Configurable deadband and cross hairs displayed when digging
- ▶ Configurable data shown on display – distance to target, depth etc.
- ▶ Configurable views allowing multiple views of one job

- ▶ Configurable slew monitor status indicator

- ▶ Configurable avoidance zones, chain age lines and POI (can be exported from works also)
- ▶ Pro Job software allowing import and export of multiple file formats
- ▶ Simple GNSS monitor displays status of the positioning signal
- ▶ Context specific help

Optional features

- ▶ Multiple sensor options fully compatible with the base hardware
- ▶ Sensor variants for marine and long reach operation
- ▶ GPS compass for superior 2D heading display
- ▶ Tilting bucket options
- ▶ Versions for proprietary machinery (e.g. Watermaster)
- ▶ Almost universal acceptance of GNSS systems
- ▶ Other displays available (consult Prolec for compatibility)
- ▶ Rental scheme available

Standards, Tests and Specification

- ▶ Angle sensors: refer to Prolec specification sheet “Angle Sensors” available at prolec.co.uk/anglesensors
- ▶ Display: 10.1” TFT touchscreen running Windows 7 professional 270 x 188 x 19mm (not including cradle)
- ▶ Storage: 128GB
- ▶ Interface: HDMI x1 and 1x USB2.0 plus 1 x USB3.0 (dedicated to Prolec input)
- ▶ Communications – CAN on sensors; Wireless/Bluetooth on display plus 4G mobile broadband connection
- ▶ Connectors – M12
- ▶ Input voltage 10 to 32V DC; Display voltage 16V DC

Configurator

Item	Description
006003-010	Digmaster Pro 2D* tablet version
006003-009	Digmaster Pro 3D* tablet version
006003-110	Digmaster Pro 2D* 8 inch touch screen with PC (does not use ToughPad computer)
006003-109	Digmaster Pro 3D* 8 inch touch screen with PC (does not use ToughPad computer)

Note: Base kits do not contain sensors