

PME2D

PME2D-X(T)

– 2D Machine Control Package



SPECIFICATION SHEET



Functions



2D DIGGING



(When combined with PME safety systems)



ENVELOPE MONITORING



HEIGHT



SLEW



STABILITY



RAIL

Suitable for

- ▶ All excavators (multiple articulations possible)
- ▶ Backhoes (incl on-rail versions)
- ▶ Road-rail (hi-rail) excavators (incl tandem lifting)
- ▶ Cranes and other on-rail lifting plant

FUNCTIONALITY

PME2D-X and XT offers an integrated user experience combining PME hardware with the productivity benefits of machine control. It comes with a complete package for finishing your 2D grading and excavating jobs faster and more easy. This includes a 4.3" high resolution display and a controller, well known from other PME safety systems. All PME systems are cross-compatible. Upgrading it with any safety system is as simple as adding another "app" on your phone. When combined with PME safety solutions PME2D maintains all pre-set limits (i.e. height limits, slew limits, cab limits) allowing you to operate productively and safely in any mode.

2D-X guidance offers productivity gains without the complexity of GPS and can be installed by any competent fitter. The base 2D-X system comes as a productivity package including the unique GPS compass for slew measurement with it's embedded dual axis sensor plus a laser receiver to be used for re-referencing when moving the machine. PME 2D-XT additionally includes the tilting bucket sensor.

Benefits

- ▶ One system/many jobs
- ▶ Works with existing PME safety systems
- ▶ Virtually no extra hardware required
- ▶ Maintains pre-set safety limits even when digging
- ▶ Productivity gains by removing re-work and reducing checking
- ▶ Material savings and lower fuel use

PME2D

PME2D-X(T)

- 2D Machine Control

SPECIFICATION SHEET

Equipment Features

- ▶ 4.3" high resolution daylight visible display
- ▶ I/O Module upgradeable with any PME safety system
- ▶ Laser receiver
- ▶ Unique GPS compass inc. built in Pitch & Roll Sensor for automatic slew input
- ▶ 3 x AS7 Angle Sensor (stainless steel housing) for boom, dipper and bucket
- ▶ AS7 (stainless steel) Tilting bucket (Option only included in PME2D-XT box)
- ▶ Reference to local levels
- ▶ Reference to site survey height
- ▶ Level grading
- ▶ Single and dual slope grading
- ▶ Cross section digging
- ▶ Trench digging including defined fall/rise
- ▶ Adjustable parameters for all grade profiles
- ▶ Editable profiles
- ▶ Simple cross section and trench editing within the system
- ▶ Definable "deadband" for digging guidance. Choose level of detail required to display

Operational features

- ▶ Slew and Height control maintained from any PME safety system installed
- ▶ Calibration maintained from PME safety system set-up
- ▶ Slew reference input from PME safety system maintained, if installed
- ▶ Distance to target indication
- ▶ Full machine view not just the bucket position
- ▶ Display moves in real time in synch with the boom and bucket
- ▶ Standard bucket and hammer tools available (grab in preparation)
- ▶ User selectable active tool point for fine grading or trenching
- ▶ User selectable mode reference in cross sections
- ▶ Alert and logging of safety warnings, except load, during digging (requires compatible safety system fitted)
- ▶ Laser level input
- ▶ Auto/manual laser level referencing



As upgrade kit for existing PME Rail
(less hardware required)



Flat Grading



Single/Dual Slope



Trenching



Multipoint Profiles



Height Limitation
(if combined with safety product)



Slew Limitation
(if combined with safety product)



Item	Description
PME2D-X	PME2D box system incl. 4.3" display, controller, 3 x AS7 angle sensor for boom, dipper and bucket, GPS compass with built-in AS7 dual axis sensor and external AS7 laser receiver
PME2D-XT	PME2D box system incl. 4.3" display, controller, 3 x AS7 angle sensor for boom, dipper and bucket, GPS compass with built-in AS7 dual axis sensor, external AS7 laser receiver and tilting bucket

Configurator