

4W HERMAN

Advanced control and measuring system for harvesters

Epec 4W Herman system is both an extremely versatile and easy-to-use measuring system as well as a control system for the harvester heads for the most demanding professional usage. 4W Herman has been developed utilizing all the experience that we have gained from our well-known and proven Epec 4W30 and 4W50 solutions to be up to standards given by the forestry companies.

- ✓ Versatile features for controlling the harvester head
- ✓ Advanced calibration modes
- ✓ Easy-to-use graphical user interface
- ✓ Fast and easy to install
- ✓ Easy to program
- ✓ Color marking
- ✓ Versatile controlling of the pumps to the different machines
- ✓ Up to 30 pre-selections, 10 tree species, 10 assortments
- ✓ Printable production reports
- ✓ Buzzer

USB support:

- ✓ Updating the programs
- ✓ Printer connection
- ✓ Data transfer (e.g. PRD-files) to the home computer using USB memory stick
- ✓ MASK Service Key System



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STRUCTURE:

Epec 4W Herman consists of the four separate control system units (display, cabin, head and hub units) as well as handles and the programming wheel for the display. Control units are connected together via the CAN bus, which is a high-speed bus for very reliable data transfer. With a wide operating voltage range, robust aluminium housing, protection class IP67 (dust and water proof), overvoltage protection and snap-in AMP connectors together with high endurance against shock and vibrations (up to 100G), the 4G control units of the 4W Herman ensure uninterrupted usage of the system even in the toughest environmental conditions.



EASY-TO-USE GRAPHICAL USER INTERFACE:

The easy-to-use user interface of the 4W Herman control and measuring system can be divided into two sectors:

- ✓ The operations of the harvester head are controlled with handles and the push buttons of the handles connected to the cabin unit.
- ✓ The parameters of the measuring system are controlled through the graphical user interface. The color display shows e.g. the length and diameter of the log, statistics as well as alarms. The graphical user interface is mainly controlled by the five push buttons of the display or with the easy-to-use programming wheel controls.

4W Herman uses the Epec 2040 Color Display as a graphical user interface. This 5.7" full color display is based on TFT technology and provides the latest communication options for the machine operator. Available communication interfaces are two CAN bus, one serial port and two USB ports. In addition, there are a couple of digital inputs (DI) for e.g. external push buttons when required. The 2040 Color Display has a wide operating temperature range (-20 ... +60°C) and robust construction allowing for mounting even outside the cabin. The clear menu structure and symbols, colors, alarm messages together with the detailed help-files make the usage of the system very simple and comfortable.

FUNCTIONALITY:

Epec 4W Herman is a reliable and accurate measuring system for measuring both the length and diameter of the log as well as the timber volume. 4W Herman also controls the harvester head and compiles statistics of the cross-cutting of the logs in the memory of the display. Versatile and user friendly trouble-shooting features decrease the need for after-sale-service in the field. 4W Herman includes numerous features to make work easier. The key features in designing the system have been paying attention to accuracy and reliability of the operations as well as the easiness of use, inspite of the versatility of the system.

Address Epec Oy
P.O.Box 194
FIN-60101 Seinäjoki

Phone +358 (0)20 7608111

Fax +358 (0)20 7608110

Email info@epec.fi

Web www.epec.fi