

CONNECTING UP TO 48 CAN SENSORS

Portable hydraulic data logger

Webtec's HPM7000 hand-held hydraulic data logger is suitable for hydraulic system diagnostics, test stands, pre-dispatch inspection or, research and development. The base model enables to connect up to 48 Webtec CAN sensors or alternatively, up to 5 external CANopen sensors.



Using the Webtec device, PDI (pre-dispatch inspection) technicians can provide a richer data set in support of machine/equipment performance prior to shipment, reducing the likelihood of end-user complaints, explained the company (Source: Webtec)

flowmeters or speed sensors, for example.

The base model features two module slots which host the CAN input module and/or the analog input module. With the CAN input module, users are able to connect up to 48 Classical CAN, CANopen, J1939, or any mixture of several CAN protocols in a passive way (this module does not supply any power to the sensors). This allows the user to 'listen' to the other CAN signals travelling on a network, without disturbing them.

The analog input module enables back compatibility with sensors featuring SR (sensor recognition). The analog module also enables connection to current (e.g. 0 mA to 20 mA or 4 mA to 20 mA) and/or voltage (e.g. 0 V to 5 V, 0 V to 10 V) sensors.

The HPM7000 features a 7-inch color touchscreen display that is suitable for use with gloves, while tactile buttons to the right of the screen allow operation in adverse conditions. Users can configure the illuminated, anti-glare screen to display the readings in numerical, bar graph, dial, or graphical display mode. A variety of different data-logging modes are available with the ability to record up to 16 million measured values per test at variable intervals from 1 ms, with a total possible storage size of 12 GiB (approximately 250 measurements).

It is possible to export all data to a PC running the company's HPMComm 7.5 software (supplied) for further analysis or storage. HPMComm7.5 is compatible with Windows 10 for operation and hydraulic analysis. By documenting the date, time, and any notes with each measurement, users can generate certificates. Powered by a battery or an external power supply, technicians can take advantage of a carrying strap, foldable stand, or wall mounting points on the rear (for fixed installation such as test benches). The IP65-rated device features a rubberized case for protection in challenging operating environments.

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