

WHAT IS NEW IN SPM-D2

Woodward's SPM-D2 is form, fit and function compatible successor to each of the SPM-D line of synchronizers that are currently active. These are simple and robust microprocessor based synchronizers designed for use on three-phase AC generators equipped with Woodward or other compatible speed controls and automatic voltage regulators. Some salient features are:

- Drop-In Replacement
- Same Look and Feel as SPM-D synchronizers
- USB Connectivity to PC
- Woodward ToolKit service tool support
- Marine classification Societies (ABS, LR, DNV) **Pending!**



What is NEW?

Application Software (Software Version 7.10)

- ToolKit software tool for parametrization and visualization for all SPM-D2 variants (replaces LeoPc1)

Visualization

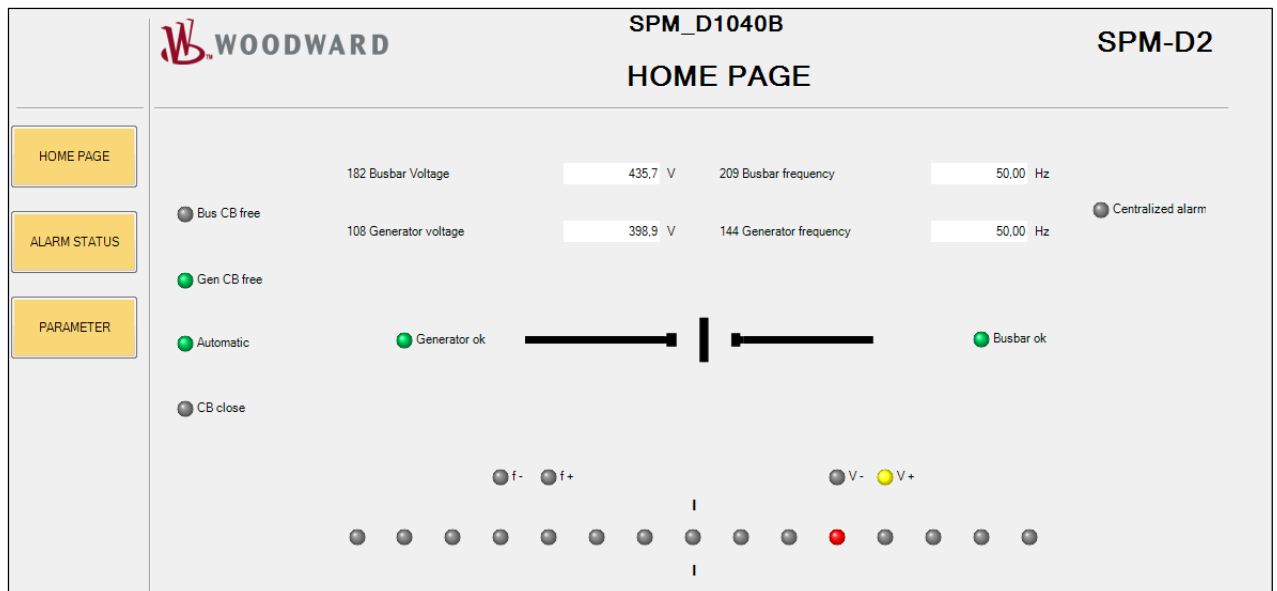


Figure 1: Example: Home Page

Parametrization

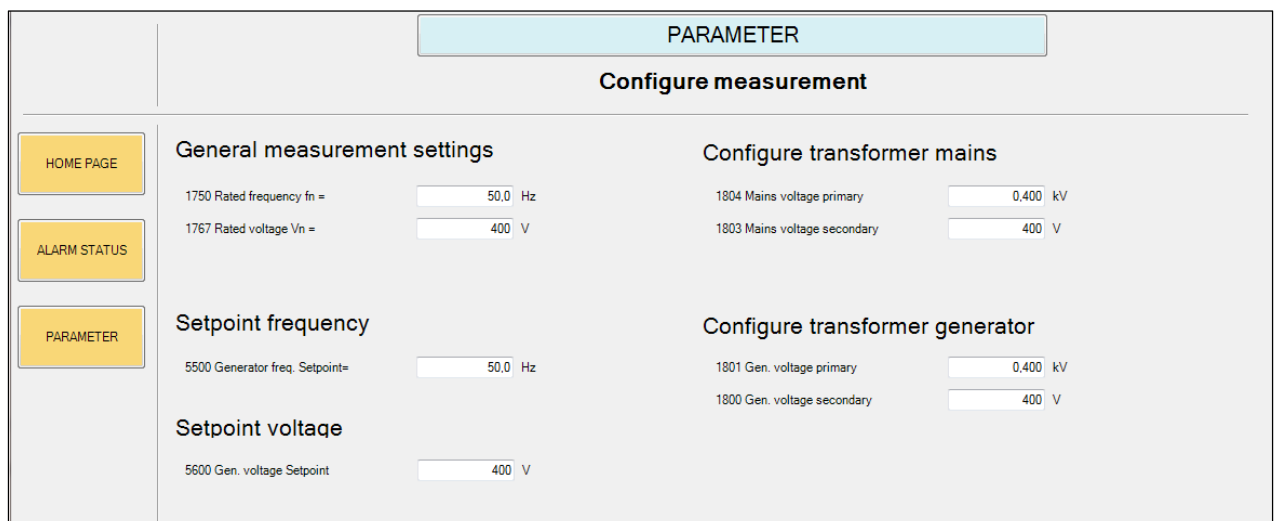


Figure 2: Example: Measurement Configuration

- USB device port for connection and configuration through PC (no more DPC cable needed, RJ45 port removed)

Mini USB cable Type B



- Password protection for SPM-D2-10xx/YB variants
- Configuration through HMI without limitation on number of backwards navigation (SPM-Ds are limited to four time backwards navigation)
- Loading default values (reload factory default settings)
- Description of the devices change from SPM-Dxxxx to SPM-D2-xxxx

Hardware and Compliance

- Declared DC power supply rating 120...375 V_{DC} to the wide range power supply variants (with "N" extension in description). These units already supports 90..250V_{AC} rating power supply
- Removed C-Tick mark from all labels of the SPM-D2
- All new units are prepared according to RoHS2 compliance
- Ethernet hardware is prepared for further releases (for info)

P/N Map

To select and order your successor P/N, please use the below mapping table. The price of each of the items stays same at FY16 pricing.

Current P/N SPM-D	<u>New P/N</u> <u>SPM-D2</u>	Current Description	<u>New Description</u>
8440-1019	8440-2164	SPM-D1040B	SPM-D2-1040B
8440-1706	8440-2165	SPM-D1115B/LSXR	SPM-D2-1115B/LSXR
5448-890	8440-2166	SPM-D1010B	SPM-D2-1010B
5448-906	8440-2167	SPM-D1010B/YB	SPM-D2-1010B/YB
5448-893	8440-2168	SPM-D1010B/X	SPM-D2-1010B/X
8440-1666	8440-2169	SPM-D1145B/LSXR	SPM-D2-1145B/LSXR
8440-1871	8440-2170	SPM-D10B/PSY5-FU-D	SPM-D2-10B/PSY5-FU-D
8440-1301	8440-2171	SPM-D1040B/X	SPM-D2-1040B/X
8440-1667	8440-2172	SPM-D1010B/XN	SPM-D2-1010B/XN
8440-1873	8440-2173	SPM-D10B/PSY5-FU-D-W	SPM-D2-10B/PSY5-FU-D-W
8440-1432	8440-2174	SPM-D1010B/N	SPM-D2-1010B/N
8440-1433	8440-2175	SPM-D1040B/N	SPM-D2-1040B/N
8440-1021	8440-2176	SPM-D1040B/YB	SPM-D2-1040B/YB
8440-1434	8440-2177	SPM-D1010B/NYB	SPM-D2-1010B/NYB
8440-1435	8440-2189	SPM-D1040B/NYB	SPM-D2-1040B/NYB
8440-1668	8440-2190	SPM-D1040B/XN	SPM-D2-1040B/XN

SPM-D support scenario

As we make the successor items available, the current items will go accelerated ramp down due to H8 processor obsolescence. Ask your Woodward representative for support plan.

"THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROVIDED AS IS WITHOUT REPRESENTATIONS OR WARRANTIES OF ANY KIND EXPRESSED OR IMPLIED. THE ADHERENCE TO THE INFORMATION CONTAINED IN THIS DOCUMENT SHALL BE AT THE USER'S OWN RISK. WOODWARD EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES CONCERNING WHETHER THE DELIVERABLES, OR SOFTWARE WILL PRODUCE ANY SPECIFIC RESULT OR PERFORM ANY PARTICULAR FUNCTION. WOODWARD FURTHER EXPRESSLY DISCLAIMS ANY LIABILITY FOR DAMAGES, LOSSES, COSTS OR EXPENSES ARISING DIRECTLY OR INDIRECTLY FROM THE USE OF THIS DOCUMENT, UNLESS WOODWARD HAS PROVABLY ACTED WITH WILLFUL MISCONDUCT OR GROSS NEGLIGENCE."