

# ONWA<sup>®</sup>

MARINE ELECTRONICS



## MODEL

# KC-2W

## N2K (NMEA2000) and NMEA0183 Bidirectional Converter

- Converts NMEA 0183 sentences to N2K PGNs
- Converts N2K PGNs to NMEA 0183 sentences
- Take power from the N2K network, no external power supply is needed
- Configurable NMEA0183 baudrate
- Opto-isolated on N2K CAN bus
- Opto-isolated on NMEA0183 input
- Auto detect NMEA0183 baudrate and supported sentences
- Support fuel flow sensor
- Firmware upgrade and NMEA0183 output baudrate configuration by supplied PC software
- Plug and play installation

### Options:

RS232 to  
USB converter



Upgrade to  
WIFI Support



# SPECIFICATIONS

**Power supply (N2K Port)**

<p><b>Electrical:</b></p> <p><b>Current drain:</b></p> <p><b>Protection:</b></p>	<p>9 ~ 30VDC</p> <p>50ma at 12VDC</p> <p>Overvoltage, power transient and accidental reverse polarity protection</p>
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**N2K Port (IEC61162-3)**

<p><b>Support PGNs</b></p>	<p>126992 , 127237, 127245, 127488, 127250 , 127251 , 127258 , 127489, 128259 , 128267 , 128275 , 129025 , 129026 , 129029 , 129033 , 129038, 129039, 129040, 129044 , 129283 , 129284 , 129291 , 129539 , 129540 , 129793 , 129794 , 129798 , 129809 , 129810 , 130306 , 130310 , 130311 , 130312 , 130578</p>
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<p><b>Electrical:</b></p> <p><b>Speed/baudrate:</b></p> <p><b>Connector:</b></p> <p><b>Cable length:</b></p> <p><b>Factory default:</b></p>	<p>Opto-isolated on N2K Can bus</p> <p>M12 male</p> <p>1.2 meter</p> <p>All above supported PGNs are enabled</p>
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**NMEA0183 Port (IEC61162-1)**

<p><b>Supported sentences:</b></p>	<p>APB, BOD, BWC, BWW, DBT, DPT, DTM, GGA, GLL, GSA, GSV, HDG, HDM, HDT, MDA, MTW, MWD, MWV, RMC, ROT, RSA, VDM, VDO, VDR, VHW, VLW, VTG, XDR, XTE, ZDA</p>
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<p><b>Electrical:</b></p> <p><b>Baudrate:</b></p> <p><b>Factory default:</b></p>	<p>Output: RS232</p> <p>Input: RS232 opto-isolated</p> <p>Input: Auto detect (up to 115200)</p> <p>Output: Configurable (factory default 38400)</p> <p>All above supported NMEA0183 are enabled</p>
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**Fuel Flow Port**

<p><b>Input signal:</b></p> <p><b>Output:</b></p> <p><b>N2K PGN:</b></p> <p><b>NMEA0183 sentence:</b></p>	<p>TTL</p> <p>127489</p> <p>XDR</p>
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**Environmental conditions**

<p><b>Working temperature:</b></p> <p><b>Humidity:</b></p> <p><b>Waterproofing:</b></p>	<p>-20°C to +55°C</p> <p>93% ±% on 40°C</p> <p>IPX67</p>
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**DIMENSIONS**  
(Measurement in mm)

**Note:**  
All specifications are  
subject to change without  
prior notice

