

NMEA data sent by marine Barograph BG2412

NMEA compatible, 4800 baud 8 bit, no parity, no handshake
1 sentence every second

\$PXDR,xxxx.xx,xxxxx, +xx.x, +xx.x, xxxx, xxxx.xxCRLF
\$WIXDR,P,x.xxxx,B,CRLF

\$PXDR: first proprietary sentence

1. value: mean value of the last minute of temperature-compensated air pressure in hPa.
2. value: AD-converter result of actual air pressure. Highest 16 bit. This is not a mean-value !
You may use this number to check the pressure instability.
3. value: pressure tendency of last hour.
4. value: pressure tendency of last three hours.
5. value: a number (minutes), starting with zero. This number increases by 30 minutes. The following air pressure is referred to this time in minutes.
6. value: air pressure in hPa at time of value 5.(*).
7. CR LF (hexadecimal 0x0D 0x0A) End of message.

\$WIXDR: data for compatibility with Maxsea ® and other software

1. P air pressure
2. value: mean value of air pressure during last minute. resolution 0.1
3. B unit is Bar (= 1000 hPa)

* Our instrument is transmitting continuously the pressure's history. After waiting 2 minutes you will have the full history of the last two days.

Our barometric sensors without display send two further sentences:

\$WIXDR,C,+xx.x,C,CRLF temperature in degrees Celsius
\$WIXDR,U,xx.x,V,CRLF supply tension in Volts

example:

```
$WIXDR,U,014.9,V,  
$PXDR,1021.50,53534,-00.3,-01.1,-1530,1020.70  
$WIXDR,P,1.0215,B,  
$PXDR,1021.50,53535,-00.3,-01.1,-1560,1020.70  
$WIXDR,C,+020,C,  
$PXDR,1021.50,53535,-00.3,-01.1,-1590,1020.60  
$WIXDR,U,014.9,V,  
$PXDR,1021.50,53534,-00.3,-01.1,-1620,1020.40  
$WIXDR,P,1.0215,B,
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Information without warranty
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