



# WaveView Software for WaveRadar Rex

S E R V I N G O C E A N O G R A P H Y

WaveView software provides comprehensive processing and display functions for the high accuracy sea surface profile measurements provided by the Rosemount *WaveRadar Rex*.

Raw range data and processed parameters are presented in numerical and graphic format on a single screen display. ASCII serial output streams are also provided. Spectral analysis is performed to provide calculated results of energy and frequency data.

All parameters may be selected for display from the main screen using active-touch rotary or slider controls with real-time graph traces. A visual two level alarm warning system highlights the graphical display when operator preset limits are exceeded.

## Logging

- Data plus time tags derived from the PC internal clock are stored to hard disk
- Logging parameters can be changed from within the program
- Available disk space is a displayed parameter
- Logged files are created hourly

## Host Hardware (minimum specification)

- 400 MHz PC with 125 Mb of RAM
- 740 Mb hard drive space
- Windows 98/2000/NT/XP

## Software License

- Single license for 1x *WaveRadar Rex*
- Additional and multi-user licenses available

## Typical Outputs

Raw Data	All raw data as seen in the Hex data string from the <i>WaveRadar</i> , with the converted measurement in decimal
Processed data	All processed wave and water level parameters
Spectral data	Spectra derived from the raw data

## Parameters recorded by WaveView software

Parameter	Description	Units
Raw distance measurement	Range	Metres to 3dp
Water level	Tide	Metres to 3dp
Significant wave height	Hs	Metres to 2dp
Mean zero crossing point	Tz	Seconds to 2dp
Maximum wave height indication	Hmax	Metres to 2dp
Maximum wave crest height	Hcrest	Metres to 1dp
Peak period	Tp	Seconds to 1dp
Crest period	Tc	Seconds to 1dp

## Typical WaveView screen display

