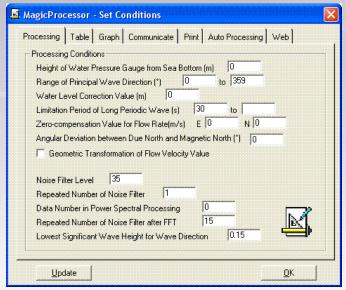


Commnucation and Processing SoftWare

MagicProcessorK 3.0

A few, good change

MagicProcessorK computes and processes data collected from Wave Hunter. It calculates normal wave heights, wave directions, and current velocities to tabulate or plot the results into tables or graphs. It has also a communications function to create real-time systems by using telemeters.



■Processing Items

Maximum wave height and period, 1/10 of maximum wave height and period, significant wave height and period, average wave height and period, wave count, water depth, η rms, skewness, Kurtosis, water level, maximum long-period wave height and period, and significant long-period wave height and period, Average wave direction, main wave direction, average angle of dispersion, directional concentration factor, and wave peak length parameter, Average current velocity, average current direction, average E-current velocity, average N-current velocity, and water temperature.

Converted to surface wave height by the FFT method

Display

Offers the capacity for producing beautiful, bold displays of tables and graphs that take full advantage of the Windows interface (including colors, selection of fonts, and multiple windows).

Print

You can print tables and graphs by directly taking advantage of Windows print functions (colors, fonts, sheets, selection between horizontal and vertical print directions, transmission to fax, etc.). Graphs and tables can be copied using the mouse and pasted on Word or Excel documents.

Building a real-time system (KOBANZAME Explorer)

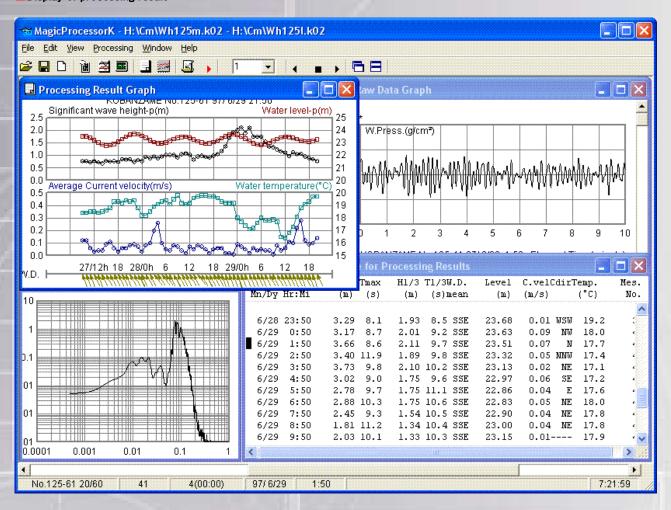
Using radio telemeters, telephones, or cables, data automatically collected from the Wave Hunter can be processed in real time every time measurement is completed. The system can be fully automated in every aspect of processing from file management to printing.

| 🔟 MagicProcessor - Set Condit | tions | × |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| Processing Table Graph Com | nmunicate Print Auto Processing Web | - 1 |
| Select paper Table Graph Vertical Vertical Horizontal Horizontal Setting Automatic Print. Next Print Time 7: Print Interval (min.) 60 | Header Sentence KOBANZAME Number of Mes. per Page 72 Print a Table Print a Graph | |
| Црdate | <u></u> | |

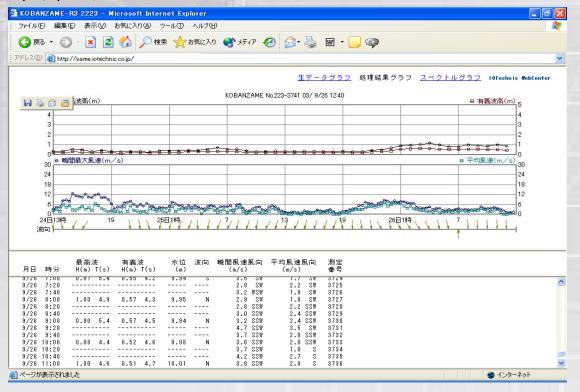
| MagicProcessor - Set Condition | S, a care a transportante a como a consenso a |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processing Table Graph Commun | icate Print Auto Processing Web |
| 02 Month/Day 03 Hour/Minute 64 08 Max. wave height-p(m) 09 Max. wave period-p(s) 54 12 Significant wave height-p(m) 13 Significant wave period-p(s) 25 Wave mean direction 64 21 Water level-p(m) 64 | ADD 00 01 Year 02 Month/Day 03 Hour/Minute 04 Dissolved oxygen(mg/l) 05 Dxygen saturation level(%) 06 Measurement number 07 SPC 08 Max. wave height-p(m) 09 Max. wave period-p(s) 11 1/10 Max. wave period-p(s) 11 1/10 Max. wave period-p(s) |
| 32 Average Current velocity(m/s 34 Average Current direction | STD 12 Significant wave height-p(m) 13 Significant wave period-p(s) |
| Give Priority to Indicated Wave H | CLR leight Value by Ultrasonic Gauge. our, in Reference to 0 Time. |
| Update | OK. |

| Magic | Processor | - Set Cor | ditions | | | | | | | × |
|--------|-----------------------------------------|--------------|-----------|--------------|----------------------------------|----------|-------------|------|---------|---|
| Proces | sing Table | Graph | Communica | ate Pri | nt A | uto Proc | essing | Web | , | |
| ⊢ Set | Processing R | esult Graph. | | | | | | | | ы |
| 1 | Significant | wave 🕶 | 0 | ▼ Lou | v lim. | 2.5 | ▼ Up | lim. | Auto. | |
| 2 | Water leve | l-p(m] ▼ | 20 | - | | 25 | Ŧ | | ✓ Mark | |
| 3 | Average C | urrent 🕶 | 0 | Ŧ | | .5 | ▼ | | □ Value | П |
| 4 | Water tem | perati 🕶 | 15 | - | | 20 | Ŧ | | | |
| D | Wave mea | n dire ▼ | 12 | ₹XL | ines | XSca | ale (day) | 3 | Ŧ | |
| Set | Raw Data Gra | aph. | | | | | | | | |
| 1 | W.Press. | Display | 200 | ▼ Y S | cale | V | Interlo | ck | | |
| 2 | E Flow | ☐ Display | 200 | Ŧ | | Г | Autom | atic | 2 | |
| 3 | N Flow | ☐ Display | 200 | Ŧ | | | | | | |
| 4 | W.Level | ☐ Display | 200 | ▼ × | X Scale: Duration of Mes. (Min.) | | | | | |
| | ☐ Overlap ☐ Vector ☐ Long Period ☐ 10 ▼ | | | | | | | | | |
| | <u>U</u> pdate | | | | | | | Q | 2K | |

■Display of processing result



■Web example (Japanese)



Oceanic measurement equipment, Designing, manufacturing, and marketing