INTERCEPT® Windows® Software

S1137

- **Real-time and historical data display**
- **High/low alarms**
- **Remote polling or continuous link**
- **Variety of telemetry choices**
- **Dynamic Data Exchange (DDE) ready**
- **Windows® 95 and Windows® NT compatible**

Coastal Environmental Systems' INTERCEPT® software is your window to the data collected by one or many ZENO® 3200/WEATHERPAK® measurement systems. INTERCEPT® can be used for routine monitoring and long-term analysis of weather conditions. It can also be used to forward real-time data regarding hazardous or unusual conditions.

INTERCEPT® will:

- Gather and display the latest data collected by your Data Acquisition Systems
- Let you transfer data to other Windows® applications for further display and analysis
- Check the data for alarm set-points in real-time, and issue alarm messages accordingly
- Archive the data to disk

Communications and Display Capabilities

INTERCEPT® receives data in real-time, using a standard or customized ZENO®/WEATHERPAK® format. The software can also poll your measurement system for missed data on restart, or after interruption. INTERCEPT® can use a direct line modem, radio, cellular phone, short or long haul modem, or even satellite communications to interface with your ZENO® or WEATHERPAK® systems. If you have more than one measurement system, INTERCEPT® keeps track of all the individual communications. The software has extensive error checking to ensure that messages sent and received are not compromised.

The data can be viewed on the screen in real-time, in English or metric units. Wind directions can be displayed in degrees or cardinal points. You can set high or low alarm set-points on all measurements—when these alarm set-points are exceeded, you will receive both an audible and a visible message. The communications status is also displayed to screen. All data can be logged to archive files—a new file is written each day, beginning and ending at midnight. These historical data can be viewed, printed, or exported to other applications. Alternatively, at any time, you can inspect, print, or export up to the last 100 measurements received.

Built-In-Test (BIT) information is also displayed and logged. This information informs the user of any possible sensor failures.

Because it is a Windows® product, with full context-sensitive help facilities, INTERCEPT™ is easy to learn and operate. DDE links and other data exchange mechanisms let you update databases and graphical analysis packages in real-time. INTERCEPT® outputs are in a format compatible with most Windows® applications, which means that you can carry out further graphical and statistical analysis of the data however you wish. Using INTERCEPT® does not lock you into our analysis methods.

General Features

- Interfaces with one or many ZENO® or WEATHERPAK® systems—with varying sensor suites
- Displays data as it is received, or operates in the background
- Dynamic Data Exchange (DDE) ready—can transfer data to any DDE compatible program (databases, spreadsheets, etc)
- Writes daily archive files, beginning and ending at midnight. If required, periodically cleans old data from your hard drive.

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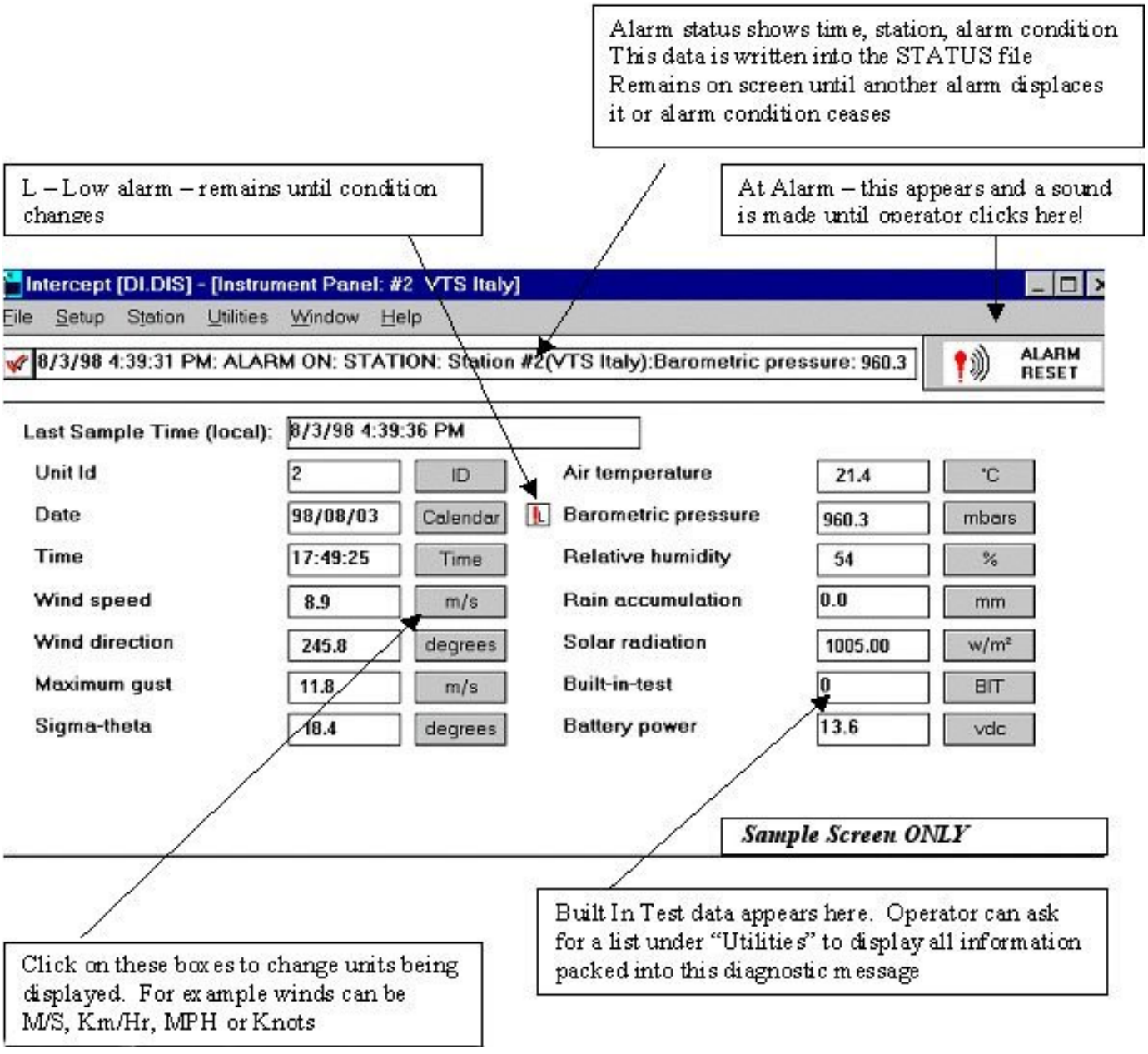
Rev 06/26/09


Alarm status shows time, station, alarm condition
This data is written into the STATUS file
Remains on screen until another alarm displaces it or alarm condition ceases
L – Low alarm – remains until condition changes
At Alarm – this appears and a sound is made until operator clicks here!
Intercept [DI.DIS] - [Instrument Panel: #2 VTS Italy]
File Setup Station Utilities Window Help
8/3/98 4:39:31 PM: ALARM ON: STATION: Station #2(VTS Italy):Barometric pressure: 960.3
ALARM RESET
Last Sample Time (local): 8/3/98 4:39:36 PM
Unit Id 2 ID
Date 98/08/03 Calendar
Time 17:49:25 Time
Wind speed 8.9 m/s
Wind direction 245.8 degrees
Maximum gust 11.8 m/s
Sigma-theta 18.4 degrees
Air temperature 21.4 °C
L Barometric pressure 960.3 mbars
Relative humidity 54 %
Rain accumulation 0.0 mm
Solar radiation 1005.00 w/m²
Built-in-test 0 BIT
Battery power 13.6 vdc
Sample Screen ONLY
Built In Test data appears here. Operator can ask for a list under "Utilities" to display all information packed into this diagnostic message
Click on these boxes to change units being displayed. For example winds can be M/S, Km/Hr, MPH or Knots