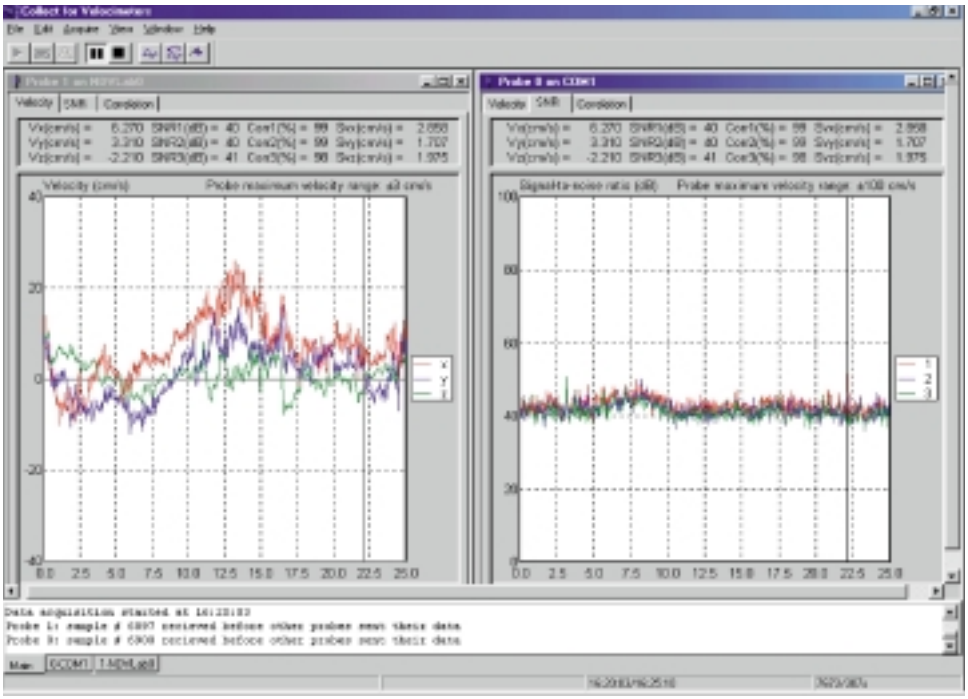
CollectV

Data collection software for Nortek Velocimeters



CollectV replaces existing DOS data collection software for Nortek Acoustic Doppler Velocimeters. The software can control both PC-based and stand-alone units, and it can even control a mixture of systems.

For existing owners of Nortek Velocimeters, CollectV means goodbye to real mode DOS computers. If combined with ExploreV it means saving time – any data file you have recorded with CollectV can immediately be loaded into ExploreV for further analysis.

System requirements

PC: Any Pentium PC with more than 16 MB of RAM, at least 3MB of free hard disk space, and standard VGA card.

Operating system:

- ✔ WIN95/98/2000/NT for stand-alone systems ("NDVField")
- ✔ WIN98/2000/NT for PC-based systems ("NDVLab")

Note that CollectV does not work with PC-based velocimeters under Windows 95
For non-Nortek Velocimeters, please inquire for possible compatibility.

CollectV is much more than a translation of the older DOS software. Several important features have been added to expand the use of your velocimeters or to save you time and effort.

Here are some great new features:

- ✔ Measure the distance to the bottom while moving the probe around (boundary distance mode)
- ✔ Control multiple PC-based or stand-alone velocimeters from one computer
- ✔ Plot all data types in a graphical trace display: Velocity, echo amplitude, and correlation (quality)
- ✔ Display data from multiple probes simultaneously
- ✔ Run the diagnostic check program from within the software
- ✔ Zoom in on details in the real time display.
- ✔ Copy the real-time display to the clipboard in bitmap or vector graphics format

Multiple velocimeters

CollectV can control a mixture of PC-based and stand-alone velocimeters from a single computer. For stand-alone systems your computer must have (at least) as many serial ports as you have systems. On laptops, a USB serial port hub is recommended for generating multiple serial ports.

Boundary distance mode

With CollectV your velocimeter can measure the distance to the boundary below the probe. The maximum distance in boundary mode is 0.2-0.25m, the update rate is about 2 s, and the accuracy is 2-3 mm. The footprint of the acoustic beam is about 10 mm.

Download a free demo version at www.nortek.no

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