nVision Quick Start Guide

Crystal Control Software Installation

nVision Introduction
Thank you for choosing the nVision Reference Pressure Recorder from Crystal Engineering Corporation. Your nVision is a combination of leading edge technology and rugged industrial design. nVision, coupled with CrystalControl Software, allows you to make nVision exactly what you need it to be.

CrystalControl Configuration Software
CrystalControl enables you to custom configure your nVision to tailor it suit your needs. With only a mini USB B cable and a computer running Microsoft Windows* the CrystalControl Configuration Software allows you to customize your nVision to suit your specific needs and applications.

Installation
CrystalControl is distributed as a self-extracting Setup application. Insert the enclosed CD and launch CrystalControlSetup.exe. Follow the on-screen prompts for installation.

Software is also available from the Crystal Engineering website: www.crystalengineering.net/downloads.

We hope your nVision meets your expectations, and we’re interested in any comments or suggestions you may have. You can send us a note at sales@crystalengineering.net.

Many features in this and our other products are a direct result of your comments!

Microsoft Windows XP [SP3], Windows Vista [SP2] or Windows 7 Enterprise. Microsoft, Windows, XP, Vista or 7 is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

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**Button Functions**

Depending on your particular configuration your nVision may physically look different than the model shown, and all descriptions are intended for general representation only. Some settings can be enabled and disabled using the Crystal Control software, and may not be visible on your model. For an in-depth look at all functionality and options for the nVision, please refer to the nVision Operation Manual located on your nVision CD (also available at www.crystalengineering.net/downloads).

**Display Options**

nVision has several screen options depending upon how the recorder is populated with modules. A summary of the available screen types is shown below. You may view the data in single or dual mode (upper and lower modules simultaneously). Additionally, you may view the data numerically or graphically to suit your needs.

### nVision Numerical Display

#### Numerical: Upper Module Screen

- **High/Low:** Peak always measured at 10 readings per second
- **Filter:** 20-reading moving window (fixed)
- **A/min:** Rate of change per minute in 10 reading moving window (fixed)
- **Selectable Units (via Setup button)**
- **Vertical Scale:** Applied versus full scale pressure

#### Numerical: Lower Module Screen (Default)

- **Zero button:** Press to zero Pressure Module reading (- - - - -)
  Hold for 5 seconds to clear any zero value (- - -)
- **Power button:** Turn your nVision on/off

#### Numerical: Dual Module Screen (Both Sensors)

- **Maximum Working Pressure:** (Pressure Module Only)

### nVision Graphical Display

#### Graphical: Upper Module Screen

- **In the graphical modes the nVision navipad enables you to control how you view your data.**
- **Data Scroll**
  Using the < and > keys allows you to navigate to specific points along your run, while displaying reading and time information.
- **Graph Zoom**
  Using the < and > keys allows you to zoom in and out of your recorded run to suit your needs.

#### Graphical: Lower Module Screen

- **Test safely with live readings annunciated regardless of cursor location or zoom level**