

# Digital Recorder Data Sheet



**INDUSTRIAL  
AUTOMATION**



**PROCESS CONTROLS LTD**

## Digital Recorder

### INDUSTRY APPLICATIONS:

- Hydro Testing
- Hydraulics & Pneumatics
- Factory Automation
- Water / Wastewater Facilities
- Food/Beverage
- OEM Machine Building

### DESCRIPTION:

The WR digital recorder provides a digital record for a variety of testing procedures. The recording feature allows customers to further analyze the testing results or prepare for an audit. It offers precise measurements at a superior value. It can be easily configured based on specific requirements to fit your needs. It has the ability to monitor pressures or temperature and the UL Class 1 Div. 2 monitor and IP 66 rating panel allows it to be tested in rigorous environments. It has the capability to test multiple units at once.

### FEATURES:

- CE Compliant
- Accuracy 0.05 - 1% span
- Full color HMI touchscreen
- 4 Channel I/O module connected with CAT5e cable
- Record to Network or USB Port
- Remote monitoring & control
- Black Steel Enclosure
- Test pressures between -30"hg - 60,000 psi
- Test temperature between -40 C - 200 C
- Test times between 5 minutes and 24 days
- Communicate with over 300 protocols
- Quick connect channels for ease of removing

### TRANSMITTER OUTPUT:

- 4 - 20 mA
- 0 - 10 VDC

### ELECTRICAL CONNECTIONS:

- 1 Ethernet port
- Up to 4 Channel Inputs
- DIN, Conduit, M4 x 12 pin
- USB port for upload



### MONITOR:

- Screen size 7" to 15"
- Touch Screen
- Windscreen format
- 16M Color Display
- Resolution 800 x 400 M16 Color display
- NEMA 4X IP 66 Enclosure Rating
- Operating Temperature -10 C - 50 C
- Vibration 2 g @ 5-500 Hz per IEC 68-2-6

### POWER INPUT:

- Isolated 24 VDC Power Supply

### OPTIONS:

- Variety of cable lengths
- Customizable software to fit your needs
- CSA approval if required
- FTP Capable
- Stainless Steel Enclosure

## INTRO

Every unit comes preloaded with standard test programming and calibrated to the corresponding transmitter. The standard setup includes:

- Company Name / Logo
- Company color scheme ( background / screens )
- Current input field customization
- Choice of either one or both output ports ( USB / Ethernet )

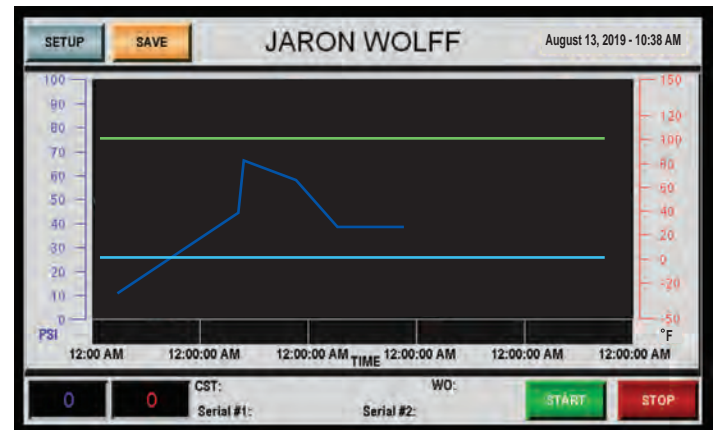


## SETUP SCREEN

The setup screen allows the user to enter the necessary information required to perform a test. When ordering, customized fields can be requested to meet quality control standards. The base program allows the user to navigate input fields and screens with relative ease. The 7" touch screen provides an excellent field of view of all necessary fields.

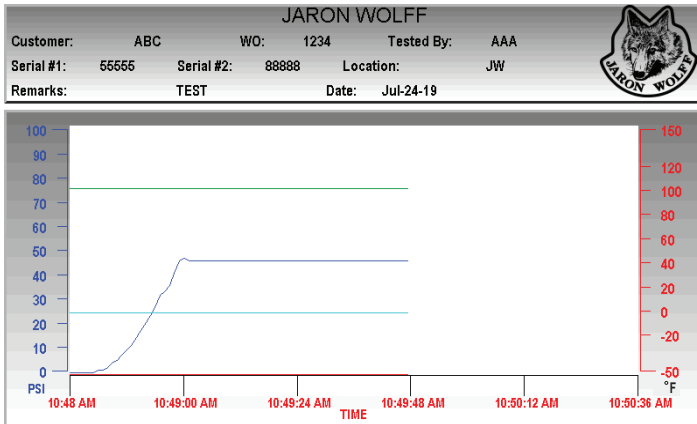
## TEST SCREEN

The digital recorder simultaneously displays up to 4 channels of pressure/temperature reading along with a graph to see progress of the test. The unit was designed with the understanding of how important it is to have a stable and accurate reading to provide test results of the highest possible quality. Recording can be stopped and re-started at any point during the duration of the test. Once complete, the test results may be saved via multiple options.



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## SAVED RESULTS

Upon completion of a test, results can be saved via a USB port and/or an Ethernet port. Saved results will be displayed in a JPEG format as a screen shot of the test screen. The output file will display all input fields as well as the pressure/temperature graph.

## CUSTOMIZATION

The unit was ultimately designed with one thought in mind - the customer knows best! Every unit can be customized to fit a wide array of requirements. Examples of custom inputs:

- Data logging ( csv output file )
- Test screens generated from drop down fields with predetermined variables
- Custom Setup / Test / Output Screens - Layout/Color

- Multiple pressure test screens
- Password protected screens
- Alarms
- Automated control of external electronics

Other Custom Options:

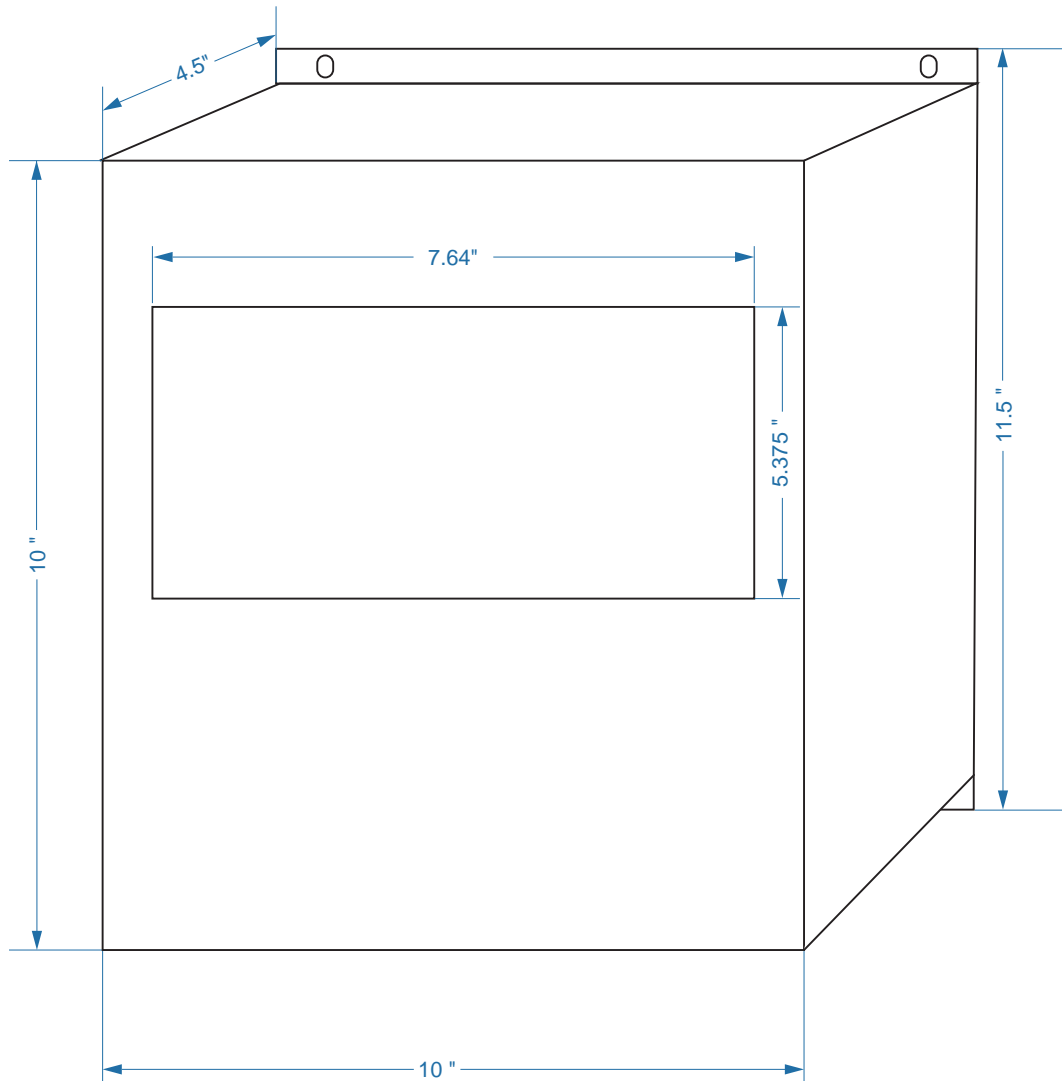
- Different enclosures ( size, material, mobility )
- Choice of connections / cable lengths



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## DIMENSIONS: 7" Monitor







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