# GXS Digital Readout

The GXS Digital Readout (DRO) is an advanced system used for performing single or multi-point gauge measurements at very high levels of precision and accuracy. The GXS Digital Readout (DRO) can be configured for up to 16 channels of input.

## How the GXS Digital Readout Works

- The GXS Digital Readout (DRO) utilizes formulas to define and display dimensions based on channel inputs.
- Formulas can be as simple as a single channel reading, or complex with use of powerful logic statements, employing mathematical calculations, and other dynamic functionality.

| GX Series | | | |
|---|---|---|---|
| **Cat. No.** | **EDP** | **# of Inputs** | **Probe Types** |
| GXS-4-1V-DM | 62466 | 4 | 1VPP |
| GXS-4-FB-DM | 62467 | 4 | Full Bridge LVDT Probes |
| GXS-8-1V-DM | 62468 | 8 | 1VPP |
| GXS-8-FB-DM | 62469 | 8 | Full Bridge LVDT Probes |
| GXS-8-SL-DM | 62535 | 8 | Solartron Orbit® Probe Network (USB) |

## Quick Setup Means Flexible Formula Entry

Multiple data entry mechanisms allow Parts to be set up quickly and easily, regardless of their complexity. Entry methods include:

- Intelligent formula builder: Use Channel Inputs, Math Operators and Conditional Logic functions directly from the internal graphical editor for building formulas.
- Generate direct keyboard entry: Use a USB or Bluetooth keyboard to type formulas directly into the dimension setup screen.
- Upload externally authored scripts: Create part scripts and formulas in the external editor of your choosing and upload them to your Gx Part.



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## Wide Range of Supported Probe Types*

Flexible, compact, microprocessor-based gauge amplifier offering support for the following probe types:

- 1VPP
- Full Bridge LVDT Probes
- Solartron Orbit® Probe Network (USB)

## Extensive Connectivity

- USB
- General Purpose Input Output (GPIO - Up to 24V logic level)
- RS-232
- Footswitch input
- Bluetooth peripherals
- Wi-Fi data exchange

## Graphical Data Views

Multiple View Types provide flexibility in how gauging results can be viewed and reported. A clear indication of tolerance status (pass/fail) is always visible.

Display dimensions either individually, or with up to 7 simultaneously. In DRO view, you can display the dimensions with horizontal bar, vertical bar, or dial gauges.

*Contact us to learn more about supported interfaces.

## Data Handling

Multiple records management options create a flexible environment for gauging workflows.

- Export records data to USB Storage
- Send records data via RS-232
- Print records data to a Wi-Fi enabled printer
- Transmit records data wirelessly using the GxLink app, and from the GxLink app directly to Excel.

## Advantages of the GXS Digital Readout

- Easy to program - tackling both simple and complex gauge applications with the ability to enter and define gauge dimensions directly in the readout, or by using external scripting tools.
- Advanced formula capabilities - coupled with multiple I/O options, programmers have the flexibility needed to tackle todays demanding gauging challenges.
- Data export and handling flexibility
- Extensive connectivity

## Specifications

- Display: 7" Color 1024 X 600 LCD, with an LED backlit capacitive touch screen.
- Power supply (included): 100-240VAC, 50/60Hz, 0.8A. Power Input to Gx200: 12V.
- Probe Inputs: 1VPP and Full Bridge LVDT Probes
- More probe types to be added soon!
- GPIO: (8) assignable IO lines - 24Volt+
- DRO Dimensions: 11.26" wide x 2.56" deep x 6.38" high (286mm x 65mm x 162mm).
- DRO Baseplate Dimensions: 4.72" wide x 4.92" deep x 0.37" high (120mm x 125mm x 9.5mm)

## Features

- Multiple View Types
- Color Coded Data View
- Data Graph View
- Stats Calculations View
- Multiple records management options
- 4 and 8 channel configurations
- USB
- General Purpose Input Output (GPIO - Up to 24V logic level)
- RS-232
- Footswitch input
- Bluetooth peripherals
- Wi-Fi data exchange

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