

Digital Force Display Module (EDC-FDM-301)

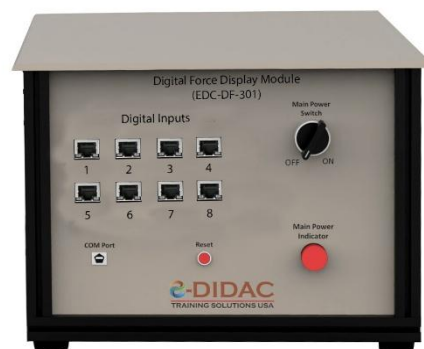
SPECIFICATIONS:

- Bench-top model.
- High-capacity, accurate, and efficient automatic data acquisition.
- Intuitive, user-friendly software with customizable display and layout.
- Manual or automatic data recording.
- Time- or interval-based data capture.
- Real-time data display (digital and analog formats).
- Real-time traces of analog signals.
- Data logging for printing and later analysis.
- Exporting data for compatibility with other software.
- Real-time calculations for user-defined data generation.
- Creation and printing of charts and data tables
- USB (Cable included)

DESCRIPTION:

The Data Acquisition Unit is a bench-top model designed for high-precision, efficient, and automated data collection. It features a user-friendly software interface with customizable display and layout options, allowing users to record data manually or automatically based on time or interval settings. The system supports real-time data display in both digital and analog formats, with real-time traces of analog signals for detailed monitoring. Logged data can be printed or analyzed later, and it can be exported in XLSX format for seamless integration with other software applications.

This unit offers multiple input options, including six RJ45 digital inputs and four SPC inputs, along with dual trigger and signal input capabilities for analog signals (0 to 10 V or 4 to 20 mA). The high sample rate of up to 25 kHz with 12-bit resolution ensures accuracy in data collection, while the 3 kHz bandwidth/filter cut-off maintains signal integrity. The unit connects to a computer via USB, with all necessary cables and connectors supplied for immediate use. It operates on a standard 220~230V AC, 50Hz, single-phase power supply, making it ideal for laboratory, research, and industrial applications



TECHNICAL DATA:

- **Model:** Bench-top
- **Data Acquisition Features:**
 - Manual/automatic data recording
 - Time/interval-based data capture
 - Real-time digital and analog data display
 - Real-time analog signal tracing
 - Data logging for later analysis
 - Data export for third-party software compatibility
 - Real-time calculations for user-defined data
 - Chart and data table generation & printing
- **Computer Connection:** USB (Cable included)
- **Input Specifications:**
 - **Digital Inputs:** 6 x RJ45, 4 x SPC
 - **Analog Inputs:**
 - 1 x DIN type dual trigger input
 - 2 x DIN type signal inputs (0 to 10 V or 4 to 20 mA)
- **Performance Specifications:**
 - Sample Rate: Up to 25 kHz with 12-bit resolution
 - Bandwidth/Filter Cut-Off: 3 kHz (nominal)
- **Data Export Format:** XLSX
- **Power Supply:** 220~230V AC, 50Hz, 1 Phase
- **Included Accessories:**
 - Mains connectors and cables
 - STP cables for equipment connection