

# **DX-2002 Series Instrument Product Sheet**



The DiagnostX DX-2002 Series instrument is a long-range, over-the-air radio waveform analyzer that measures a radio's alignment and operating characteristics in real time without any user intervention or impact on the radio system.

#### **DX-2002 Series Features**

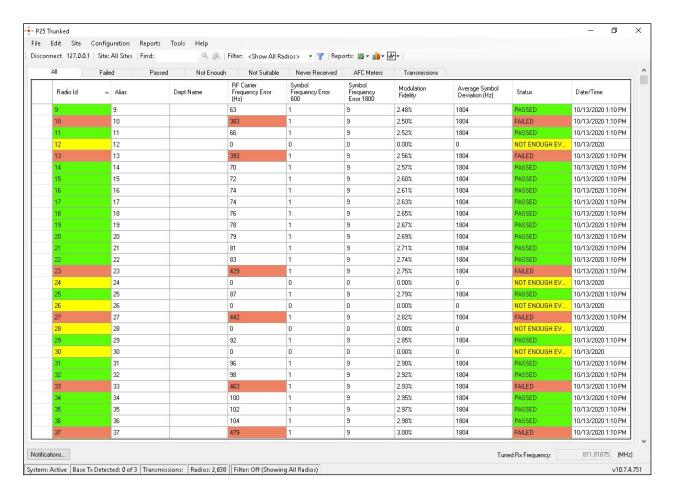
- Monitors the Base Station Receive Control Channel (Inbound) Frequency
- Protocols: P25 Trunked and P25 Conventional, Legacy, DMR, NXDN and TRBO
- Encryption: AES-256
- P25 System Metrics:
  - RF Frequency Error
  - Symbol Frequency Error 600 and 1800
  - Modulation Fidelity
  - Average Symbol Deviation
  - Emission Mask Conformance
  - BER, RSSI, and SNR
- Available Frequency Bands: VHF 136-174; UHF 380-430; UHF 450-470; UHF 470-512; 700; 800; 900 MHz
- Installation: Two (2) connections universal AC power and an antenna. Can connect to the Rx antenna multicoupler
- One DX-2002 instrument can be networked with up to three (3) NX-200 remote receivers to provide system-wide coverage. All data is stored in a unified database accessed through the DiagnostX Viewer (DV).
- Autonomous DiagnostX is non-intrusive and has no impact on the LMR network
- Optional DiagnostX Viewer (DV) licenses can be installed on any computer on the network
- User-defined thresholds can be changed on the fly at any time

### **DX-2002 Specifications**

DIMENSIONS	2U	3.46" H x 19" W x 18.9" D
WEIGHT	~ 27 lbs.	
POWER	AC Voltage	100-240VAC @50-60Hz
NETWORK CONNECTIVITY	RJ45	Gigabit Ethernet
PERIPHERALS	USB and PS2	* Mouse and Keyboard

DX-2002a	Single Protocol, Single Frequency Band	
DX-2002b	Single Protocol, Dual Frequency Band	
DX-2002c	Dual Protocol, Single Frequency Band	
DX-2002d	Dual Protocol, Dual Frequency Band	

## DiagnostX Viewer (DV) Report Sorted by Radio ID



All models include an antenna, a multicoupler cable, and a one-year manufacturer warranty.

Contact LocusUSA for more information or a quote at (888) 212-9117 (Toll-Free) or sales@locususa.com.

#### Patent Nos.

United States: #8,565,096, #8,600,371, #8,825,042, #8,948,022, #9,282,482, #9,432,866, #9,681,321, #9,743,302, #9,961,578, #10,200,902, #10,244,417, #10,609,585, #10,659,982 Australian: #2010235881, #2012253596 #2015203442 • Canadian: #2,746,238 • European: EP 2707798 B1 • Other patents pending.

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<sup>\*</sup> Not Supplied