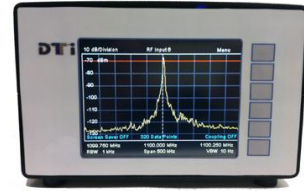


Monitor your wideband, SCPC and Beacons remotely with the affordable DRSM line of monitors. Your 1 MHz to 2500 MHz monitoring solution!



The DRSM Line of Carrier Monitors with Color Touch Screen Display Offer 3 Models Covering Frequency Range of 1 MHz – 2500 MHz

DTi's New Combination Display and Remote System Monitor provide an economical compact solution for local and remote signal monitoring & analysis. Perfect for identifying and recording signal interference or verifying known signals from one or multiple remote locations. The DRSM-2500D is an excellent solution for onsite and offsite troubleshooting, monitoring, and basic analysis.

The Model DRSM-2500D is the ideal solution for accurate local or remote monitoring of carriers from 1 MHz to 2500 MHz. The DRSM-2500D's 5.7" TFT touch screen display makes local monitoring of RF signals easy. Your Engineer or Technician can quickly monitor or troubleshoot a problem locally. With just a push of a button, the DRSM-2500D can be switched to remote TCP/IP connection and be monitored and controlled in real time from a remote location on your local network by using a standard PC and the DTI Graphical User Interface. The DTI Graphical User Interface is "plug and play". The Ethernet RJ-45 port provides a network connection to your company's LAN/WAN or other IP network resource. The DRSM-2500D is an extremely flexible and cost-effective way to network-enable one or many DRSM-2500D units and remotely monitor them from a central location.

Technical Specifications

Frequency Coverage:

DRSM-1000D	1 MHz - 1200 MHz
DRSM-2150D	900 MHz - 2200 MHz
DRSM-2500D	1 MHz - 2500 MHz

Span Width:

0 - 500 MHz / Variable

Resolution Bandwidth:

3 MHz, 1 MHz, 300 kHz, 100 kHz, 10 kHz, 1 kHz

RF Sensitivity:

3 MHz to 100 kHz RBW
Exceeding -100 dBm typical
1 kHz and 10 kHz RBW
Exceeding -120 dBm typical

Reference Levels:

Selectable -20 to -120 dBm in 2, 5, or 10 dB/Div steps

Reference Level Scale:

2, 5, & 10 dB/Div selectable

Dynamic Range:

60 dB Logarithmic @ 10 dB
40 dB Logarithmic @ 5 dB
20 dB Logarithmic @ 2 dB
(Resolution per division on Application Window)

Amplitude Accuracy:

+/- 1 dB typical

Frequency Accuracy:

+/- 1 kHz typical

Inputs:

Dual input standard, Quad input Available

Input Connector:

50 ohm BNC female

Size:

8.5" W x 5.25" H x 15" D

Weight:

8 lbs

Power Requirements:

85 - 265 VAC 50/60 Hz
12VDC (Option)

Display:

5.7" TFT touch screen
DTI Graphical User Interface

5.7" TFT Touch Screen



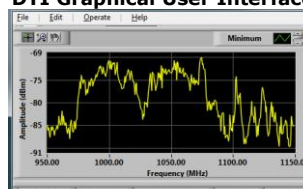
Features & Benefits

- Tuning and sweep accuracy w/ DIGISWEEP
 - Increased input sensitivity!
 - Center frequency tuning
 - Multiple input options
 - Spurious Frequency Offset
 - 6 resolution bandwidths 3 MHz to 1 kHz
 - Variable data point resolution
 - Variable reference levels
 - Variable span width
 - Variable sweep rate / Single sweep mode*
 - Video Bandwidth Filtering
 - Crosspol for Vertical & Horizontal peaking*
 - Instant ZERO span
 - Peak search and center frequency tune
 - Coupled and uncoupled RBW selection mode
 - Waterfall mode*
 - Waveform mask alarm feature*
 - Alarm triggered/event triggered recording*
 - Comparative mask / template mode*
 - Email alerts / alarms to your Cell or PC*
 - Ethernet ready, internet ready
 - Optional USB connection for remote monitoring
 - Unlimited ability to save and recall user setups*
 - Playback with event cues*
 - Autotune feature for monitoring multiple signals (one at a time)*
 - User defined averaging & mean filter features*
 - contact DTi for your application
- *DTi Graphical User Interface only

Applications

- Teleport Carrier Monitoring
- Broadcast TV Stations
- Monitoring Oil Rig Data Carriers
- Satellite News Gathering
- Portable Fly-Aways
- Amateur Radio Applications

DTI Graphical User Interface



Specifications subject to change © 2012

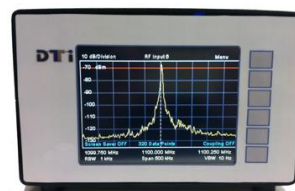
Dominion Test Instruments

1-757-463-0330 Phone 1-757-463-3891 Fax

www.dominiontest.com

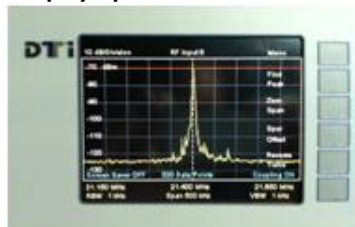
info@dominiontest.com

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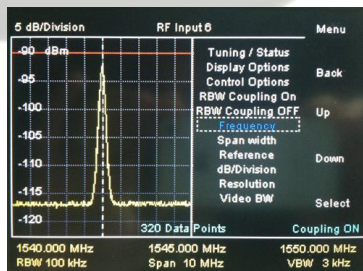
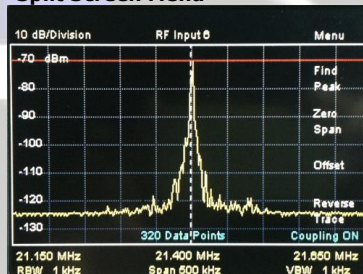
The DRSM features a 5.7" Color Touch Screen Display & Tactile Buttons for Front Panel Control

• Display Operations •



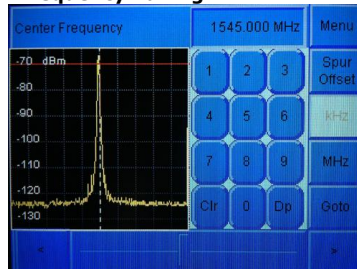
The DRSM operates with a combination of six tactile buttons and a touch screen display. The DRSM display screen is a touch screen where functions can be selected directly from the screen. Touching the display over desired function will split the display and present a selection menu on the right side

• Split Screen Menu •



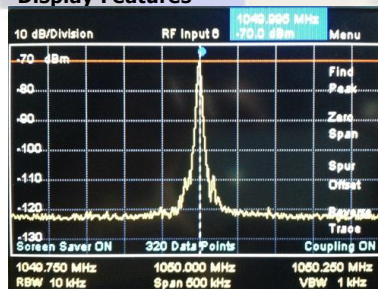
The DRSM display screen is a touch screen where functions can be selected and modified by touching desired setting to change. Touching the display over desired function will split the display and present a selection menu on the right side. The sweep will be displayed on the left and a drop down menu will be on the right.

• Frequency Tuning •



Selecting Frequency will bring up a numeric keypad where the desired center frequency is entered. The DRSM will tune to desired frequency and switch to the DRSM display screen. In addition, a frequency tuning slider and frequency bump up/down buttons are also available. The Bump Feature bumps the frequency in 1/10 increments of the current span

• Display Features •



Find Peak button presents a box that displays the frequency and signal strength of the highest peak on the display.

Zero Span to set the start and stop frequencies to the center frequency.

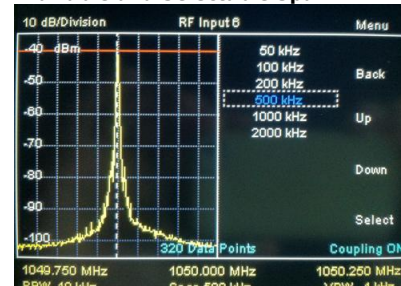
Spur Offset button is used to help determine if a signal is internally generated or harmonic of input signal at maximum sensitivity.

Reverse Trace button and display will swap the frequency readout from displaying left to right to display right to left.

Sweep steps of 320, 256, 128, or 64. Smaller sweep steps increases sweep rate with less resolution of the sweep trace.

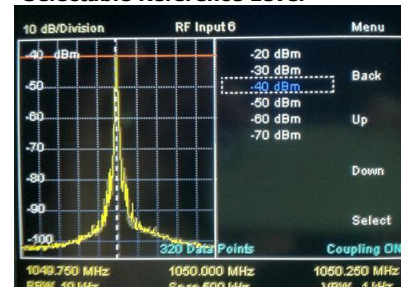
Control Options are selected to allow the DRSM to be controlled by the LOCAL display, a USB connection, or via a TCP/IP connection.

• Variable and Selectable Span •



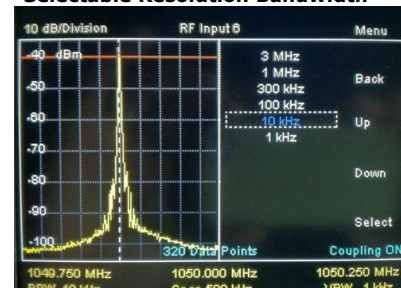
Touching the display screen over the Span indicator brings up a split screen display with a drop down selection of span widths from 50 kHz to 3 MHz depending on the resolution band with setting.

• Selectable Reference Level •



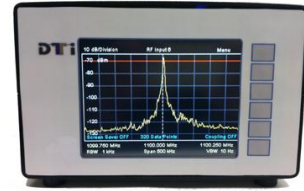
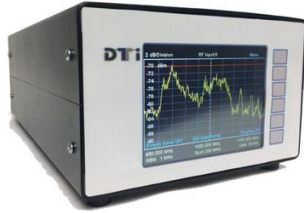
Touching the display screen over the dBm graph at the left side of the display brings up a split screen display with a drop down selection of Reference levels depending on the setting of the dB/Division setting.

• Selectable Resolution Bandwidth •



Touching the display screen over the RBW indicator will bring up a split screen display with a drop down selection of resolution bandwidths from 1 kHz to 3 MHz.

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Valid Options

Base Model:

DRSM1000D 1 MHz - 1200 MHz
 DRSM2150D 900 MHz - 2200 MHz
 DRSM2500D 1 MHz - 2500 MHz

Inputs:

2 Dual standard, 50 ohm BNC female connector
 4 Quad input, 50 ohm BNC female connector

Monitor & Control:

E Ethernet 10/100 Base T with DTi Graphical User Interface
 U USB with DTi Graphical User Interface
 A Both Ethernet and USB

Required Power:

AC 85 - 265 VAC 50/60 Hz
 DC 12VDC
 AD Both 85 - 265 VAC 50/60 Hz & 12VDC

Graphical User Interface (GUI):

W Windows
 L Linux

Part Numbering:

Typical part number

DRSM2500D-2E-AD-W



Base Model	Inputs	Monitor & Control	Input Power	GUI
DRSM1000D				
DRSM2150D	2, 4	E, U, A	AC, DC, AD	W, L
DRSM2500D				

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 Dominion Test Instruments

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