

Digital TV Level Meter with USB

1500series

The best excellent choice
for field installers

- Low Cost!
- Compact Size!
- Faster and Easier Installations!

- USB Interface
- Support Multi-Languages in the world
- Worldwide Analog/Digital Signal Measurement
- Analog/Digital C/N Measurement
- Channel/Freq. Spectrum Measurement
- Graphic Tilt Measurement (Max.11)
- Antenna Focusing with Beep Sound
- Basic. 8CH PLAN(User Editable)
- Data Logger(Max. 30)-Option
- Ultra Portable Type



(Analog Level & C/N Measurement)



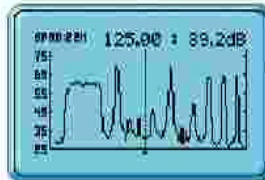
(Digital Channel Power & C/N Measurement)



(Graphic Tilt Measurement)



(Channel Spectrum Measurement)



(Frequency Spectrum Measurement)



(Antenna Focusing with Beep)



(Line AC/DC Voltage & Battery Voltage Measurement)

CHAN	FREQ	TYPE
501	105.25	ANA
502	112.25	ANA
503	119.25	ANA
504	126.25	ANA

(8 Channel Plan)

CHAN	FREQ	U10KB	PDBT
02	55.25	72.7	55.6
03	61.25	70.5	55.6
04	67.25	70.6	57.4
05	73.25	72.6	57.4
06	80.25	71.4	55.6
990	117.00	69.6	

(Data Logger - Option : 15000)



TELEMANN



Digital TV Level Meter with USB

1500series

DIGITAL TV

- Freq Range : 1500(45-870MHz), 1500L(5-870MHz)
- Measurement Unit : dB μ V, dBmV, dBm
- Input Impedance : 75 Ω (F type connector)
- Frequency Resolution : 10KHz
- Level Measurement Range : 25dB μ V(-35dBmV)-120dB μ V(-60dBmV)
- Digital Channel Power Measurement Resolution : 0.1dB
- Digital Channel Power Measurement Accuracy : ± 2.0 dB(0-50 $^{\circ}$ C)
- C/N Measurement
 - Range : 0-50dB
 - Bandwidth : 0.5MHz ~ 9MHz
 - Offset : 0.5MHz ~ 9MHz
- Scan(Digital Channel Power - C/N - Pass) : Option(1500D)
- Data Logger(Reviewing/Deleting/Printing) : Option(1500D)

ANALOG TV

- Freq Range : 1500(45-870MHz), 1500L(5-870MHz)
- Measurement Unit : dB μ V, dBm, dBmV
- Input Impedance : 75 Ω (F type connector)
- Frequency Resolution : 10KHz
- Level Measurement Range : 25dB μ V(-35dBmV)-120dB μ V(-60dBmV)
- Level Measurement Resolution : 0.1dB
- Level Measurement Accuracy : ± 2.0 dB(0-50 $^{\circ}$ C)
- Video/Audio Level Measurement
- V/A Measurement
- C/N Measurement
 - Range : 0-50dB
 - Bandwidth : 0.5MHz ~ 9MHz
 - Offset : 0.5MHz ~ 9MHz
- Scan(Video Level - Audio Level - C/N - Pass) : Option(1500D)
- Data Logger(Reviewing/Deleting/Printing) : Option(1500D)

GRAPHIC TILT SPECTRUM MEASUREMENT(ANALOG/DIGITAL CHANNELS)

- Range : 1500(45-870MHz), 1500L(5-870MHz)
- Indication : Tilt Slope, Video Level
- Measurement Numbers : Max. 11

CHANNEL SPECTRUM MEASUREMENT(ANALOG/DIGITAL CHANNELS)

- Range : 1500(45-870MHz), 1500L(5-870MHz)
- Span : 16CH/38CH/56CH/110CH
- Measurement Range : 25dB μ V(-35dBmV)-120dB μ V(-60dBmV)
 - Reference level division : 10dB
- Marker Indication : Analog Channel(Video/Audio Level), Digital Channel(Channel Power)

FREQUENCY SPECTRUM MEASUREMENT(ANALOG/DIGITAL CHANNELS)

- Range : 1500(45-870MHz), 1500L(5-870MHz)
- Span : 10/22/56/110MHz
- Measurement Range : 25dB μ V(-35dBmV)-120dB μ V(-60dBmV)
- Reference level division : 10dB
- Marker Indication : Carrier Level

OTHERS

- Line AC/DV Voltage Measurement
 - Range : ± 10 - 110V
 - Resolution : $\pm 1\%$ (± 1 digit)
 - Indication : AC/DC Max. 4 digits
- Battery Voltage Measurement : 4-6V
- Antenna Focusing with Beep Sound : Dual Mode
- LCD Contrast Level Adjustment
- Auto Timeout : Power turns off automatically when it has remained inactive for a period time of conserve battery life : 5min./10min./30min./CONTI
- Marker Indication : Analog Channel(Video/Audio Level), Digital Channel(Channel Power)

Channel Plans

- Basic 8CH Plans are stored, but changeable by user.
- EIA, HRC, CCIR, CHINA, AUSTRALIA, UK, OIRT, ST2L
- Each CH Plan can store max. 160 channels.
- USB Interface Port
 - CH Plan(s) can be uploaded/downloaded with PC.
 - Data Logger(Max. 30) can be uploaded to the PC : Option(1500D)
- Power Supply
 - Built-in Ni-MH rechargeable batteries : 4.8V(1.2V X 4)
 - Battery Charge Indication
 - Battery Duration : about 4-5hours(over 8-10hours full charging)
 - Max. Adapter : 230V, 9V 500mA
- Operating Circumstances
 - Useable Temperature : 5-50 $^{\circ}$ C
- Mechanical Features
 - Dimension : 74.5mm W X 44.2mm D X 154mm H
 - Weight : 400g(including batteries)
 - LCD Graphic Display with Backlight : 128 X 64 dot matrix
 - Casing Structure : shock-proof plastic(ABS)

STANDARD ACCESSORIES

- Built-in Ni-MH rechargeable batteries : 4.8V(1.2V X 4)
- " F " type connector(1ea.)
- Carrying Bag with shoulder strap
- DC Adaptor
- Users Manual
- USB interface cable(1ea.)



SUPREME ANTENNAS

Supreme Quality - Supreme Service!

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