

# UNIVERSAL METER FOR INSTALLER – DSM31

# mezon

*PPH Mezon 05-805 KANIE , ul. Warszawska 1  
Tel /fax. 227585278 info@mezon.it.pl*

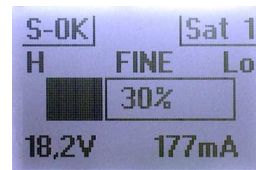
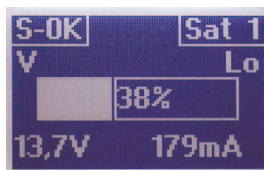
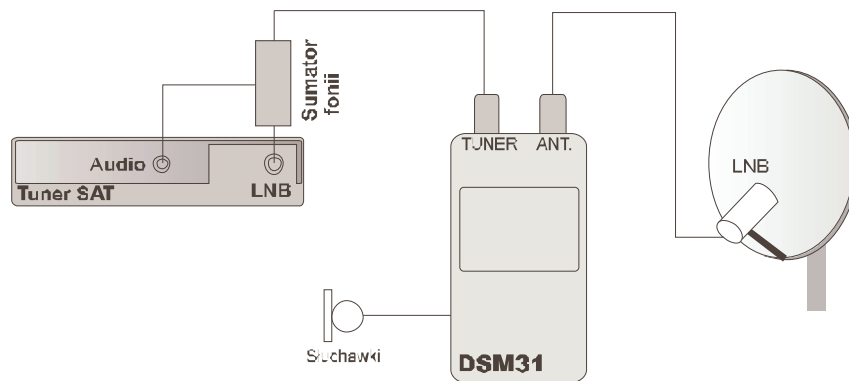
**[www.mezon.eu](http://www.mezon.eu)**

It's universal meter for installers who install TV. Due to ease of use, the meter can be recommended to any person who isn't proficient in this type of installation.

The meter is designed for positioning TV SAT antenna, terrestrial TV antenna and for identifying concentric cables. Additionally the meter can measure current and voltage in line in the same time. Using audio adder (included) you can identify any satellite.

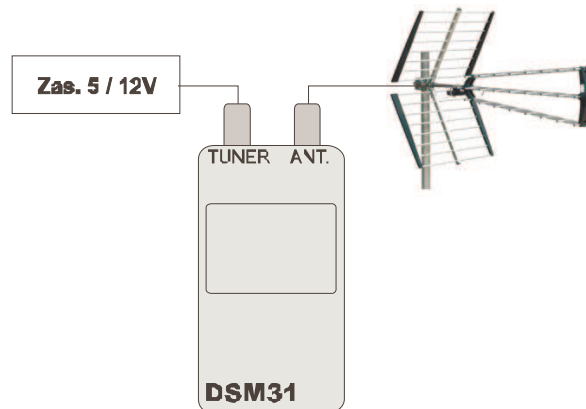
The meter has three main working modes:

### SAT1 mode



1. Wideband measurement of TV SAT-analog, DVBS, DVBS2 signal.  
PEAK HOLD function – keeping maximum value on the screen,  
BEEP – sound signal increasing with power of signal.
2. Voltage measurement in line with 0.1V accuracy. *Very useful function which enables evaluating correctness of voltage in both polarizations. With voltage drops in, for example: cables, connectors or multiswitch converter can receive too low voltage. It may not connect polarization V.*
3. Current measurement in line with 1mA accuracy. *Enables evaluating correctness of connections and how converter and other devices which are supplied by concentric cable works.*
4. In-line parameters display :
  - polarization V/H,
  - 22kHz signal
  - high and low band (Lo/Hi)
5. Identification of any satellite by using audio adder (included).  
S-OK. Listening audio signal from chosen canal (headphones included). It lets confirm correct antenna pointing in 100% - feedback information from TV SAT tuner.
6. In **SAT1 FINE** mode the meter is very sensitive and enable precise positioning SAT antenna. This function is used for checking level of signal during the final antenna fixing.

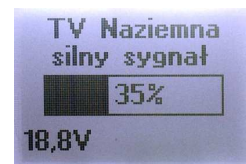
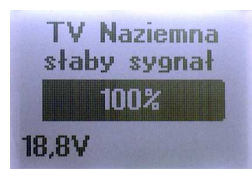
## Terrestrial TV mode



1. Wideband measurement of TV signal (460-840 MHz) – analog, DVBT, DVB T2.

PEAK HOLD function – keeping maximum value on the screen,  
BEEP – sound signal increasing with power of signal.

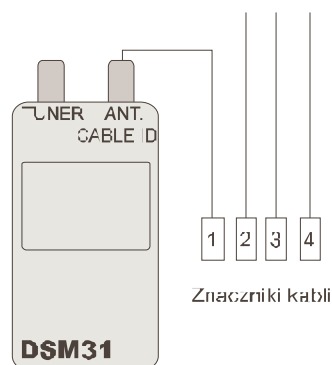
2. Measurement of voltage and current with 0.1V and 1mA accuracy. *Useful function which*



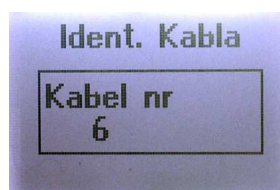
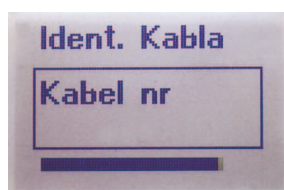
*enables evaluating correctness of connections and how devices which are supplied by concentric cable works.*

- By using FINE button you can choose one of measurements: strong signal (picture on the right) and weak signal (picture on the left) (internal meter amplifier included).

## Cable Identification mode

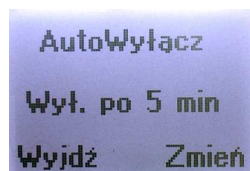
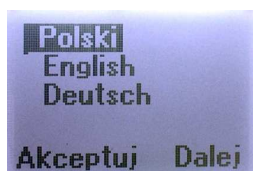
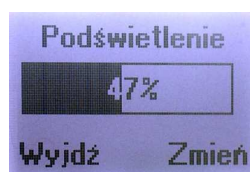
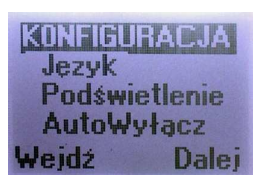


*Meter connection scheme during cable identification. You can identify 8 cables at most.*



In this mode you can identify up to 8 various concentric cables. You can use cable markers (4 markers included). Additionally meter recognizes interruption and short-circuit in cable.

### Menu CONFIGURATION

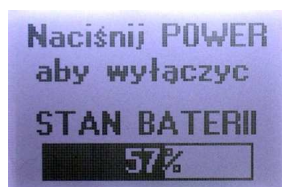


User can change working parameters in meter:

- ▲ **Language:** Polish, English, German
- ▲ **Backlight**
- ▲ **Automatic turn off time:** 5-15min, manual
- ▲ **Negative/Positive**

### Supplying

The meter needs 9V battery for turning on. Wear level is constantly monitored by meter – **BATTERY LEVEL** bar.



In SAT mode meter needs to be connected to SAT antenna converter (SAT tuner, power supply or accumulator to TUNER input).

In terrestrial TV mode meter doesn't give supply to amplifier (which can be installed in antenna). If TV antenna has an amplifier you will have to plug external power supply or accumulator to TUNER input.

*Meter with accessories: meter, audio adder, headphones, cable markers – 4 pieces.*



**WARRANTY CARD**

**MODEL/TYPE** DSM31 meter  
**Serial Number** .....  
**Date of purchase** .....

.....  
**Seller signature and seal**

**WARRANTY CONDITIONS**

Mezon company warrants this meter to be efficient functioning under normal use for a period of 24 months from the date of purchase.

Possible repairs in this period will be done for free after delivering the device to warrantor. In the case of attempt of repairing device by unauthorized persons or improper use of device disagreeing with instructions given by manufacturer and safety regulations the warranty will be invalidated.

Warranty exclude all mechanical defects and faults resulted by those defects.



**05-805 Kanie , ul. Warszawska 1**  
**tel. fax +48 22 7585278**

[info@mezon.it.pl](mailto:info@mezon.it.pl)  
**www.mezon.eu**