

No compromises:

VAROS 306

Antenna measurement device

- Luminous 5" VGA colour TFT
- Frequency range from 5–2,150 MHz
- Level measurement for analogue signal: UKW, TV, SAT
- Level measurement for return path frequencies: 5–65 MHz
- DVB-S, DVB-C and DVB-T: level measurement, BER, MER
- High pass filter for special channel 2/3 measurement
- Image representation for MPEG 2 signals
- Spectrum analysis for all ranges
- Video/Audio input/output via SCART, DVI out
- Measurement data storage directly via USB
- CI-slot for CA module with smart card
- Network and 12 V-external operation and loading
- Powerful NiMH rechargeable battery pack

Optional extras:

- DVB-S2 frontend
- Combi-decoder for image representation of MPEG 2/4 signals





More and more programs are transmitted encrypted.
Pay-TV programs can also be displayed using a suitable CA module and an activated smart card.



You want high measurement accuracy and a complete for the least possible investment? You require simplest possible device handling? The VAROS 306 provides the answers to the questions from today and tomorrow.

An optimal hardware platform is the basis for the current and future measurement tasks.

Many of the technical innovations and improvements in the AMA technology have been incorporated in this device.

Documentation made easy: Measurements are stored in XML format directly on a USB memory stick. Processing and archiving of the data is easy.

Ergonomically balanced weight distribution as well as optimal impact protection make the VAROS 306 ideal for outdoor usage. The measurement device can also be deployed in areas of restrictive access through its body-hugging means of carriage.

All measurement records can be transferred to a USB memory stick using the **Data-Logger function**.

As the data is stored in XML format this means that further processing or archiving, e.g. with Excel or OpenOffice is unproblematic.



The contents of the VAROS 306 bundle can be found in our current price list or at www.kws-electronic.de





HDTV image representation

HD-images can also be displayed using the optional MPEG 2/4 combi-decoder.

External TV devices can be provided with video content via the standard delivered interfaces (SCART, DVI).



DVB-S2 Measurement

Almost all HD programs via satellite are transmitted in the DVB-S2 standard. These data streams cannot be evaluated with a DVB-S device.

This is however possible with the DVB-S2 option.

VAROS TECHNOLOGIE

KWS ELECTRONIC
HIGH FREQUENCY TEST EQUIPMENT
PRODUCT LINE D · 2011

VAROS 306

Compact data.

The ability to compare measurement data is indispensable. That is the reason why the VAROS 306 achieves the same quality and measurement accuracy as the AMA 310.

A clear presentation of the measurement results or uninterrupted image evaluation via the 5" VGA colour LCD screen is possible at any time. When displaying measurement values no interfering TV programs run in the background.

The VAROS 306 fulfils the users wish with respect to size, functionality and investment costs.



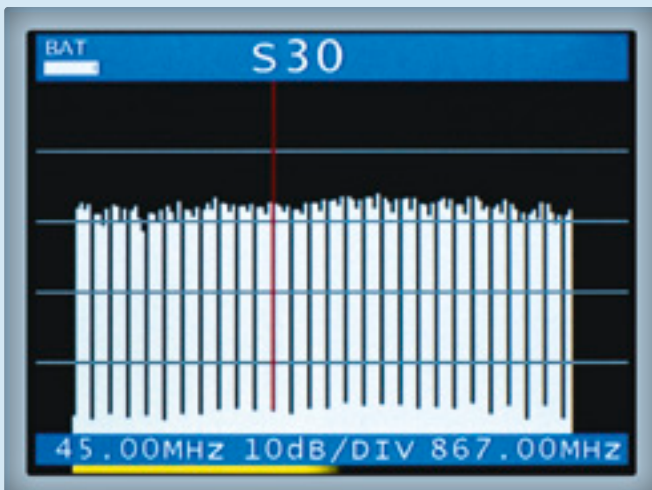
Measuring a CATV transponder

With digital CATV transponders MER is measured in 64 QAM or 256 QAM mode up to 35 dB.



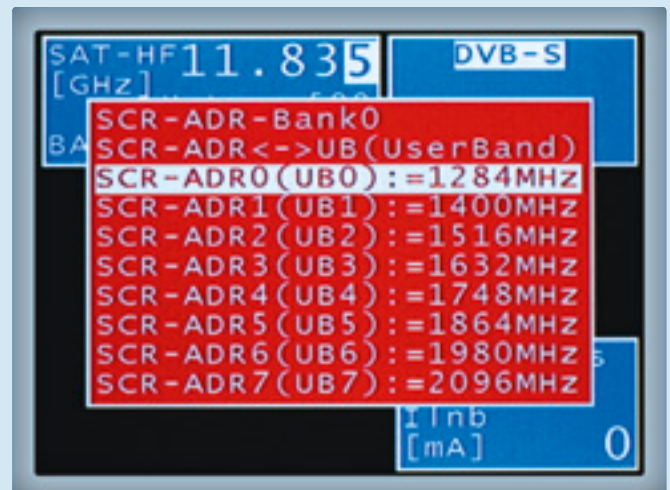
Echo measurement for DVB-T

When adjusting DVB-T antennas echoes (signals that constantly change their frequencies around a fixed reference) have to be considered. To optimize reception the measurement "impulse response" is used. This way it's possible to achieve very good system reserves even in areas where reception is difficult.



Analyser

For cable and satellite systems the presentation of the spectrum is simply a must-have aid. It's very easy to evaluate the frequency response using this display as below where you can see the signal input using the comb generator NCG 228.



UniCable control

It's possible to insert satellite TV in a tree distribution structure using the UniCable system. The control signals are based on the DiSEqC commands.