SDT 133 ARK-DAB

Digital Audio Broadcasting Transmitter up to 8400W rms

> SDT 133UM ARK-DAB

> SDT 133UM-W ARK-DAB
Liquid Cooled Version
with Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :
  – ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
  – EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 133 TM-W ARK6-E1	VHF (III)	AB	2 x 40 RU	6	SCA202TB-W	3+1/8"	Liquid	1	-37	4800	8400

Specifications and characteristics are subject to change without notice.