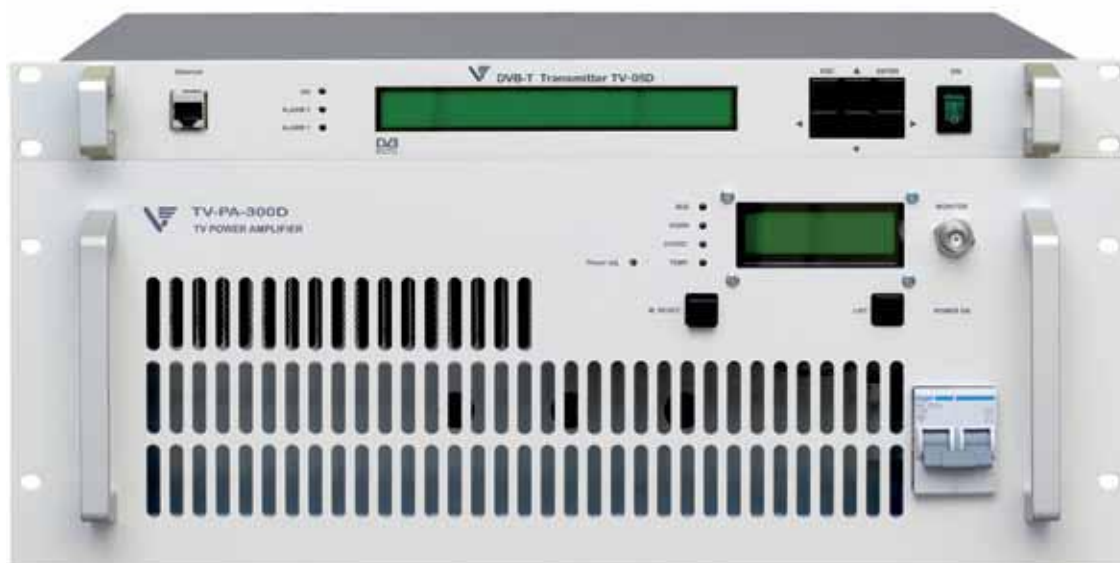


TV-150D, TV-300D LOW POWER TRANSMITTERS



Main information

TV-150D, TV-300D is low power professional DVB-T/T2 transmitters suited for high quality terrestrial broadcasting in VHF bands I-III or UHF bands IV-V with nominal output power up to 300 W. Transmitter consists of one TV-05D exciter, one power amplifier and one channel filter. Models:

- TV-50D
- TV-100D
- TV-200D

Features

- Compact design
- Integrated GPS receiver
- Linear and non-linear pre-correction to optimize transmitter performance
- Adaptive pre-correction(option)
- All settings are available via front panel
- Multifunctional digital display
- Local control
- Remote control via Ethernet and serial RS232



Low power transmitters

TV-150D**TV-300D****Standards supported**

DVB-T/H, DVB-T2

Input data
 ASI Monitoring
 Internal GPS receiver
 External Clock reference
 Digital pre-correction

2xBNC, 75 ohm | Two switchable TS inputs
 1xBNC, 75 ohm
 Included with Vigintos TV-05D
 Included
 Included

RF parameters

Frequency range

VHF (174-230 MHz)
 UHF (470-862 MHz)

Output power (rms) after bandpass filter
 Output connector

150 W
 Nm, 50 ohm

300 W
 7/16m, 50ohm

Bandpass filter

Non-critical or critical (option) mask according to ETSI EN 300 744,
 ETSI EN 302 755

Return loss

> 18 dB

Power stability

± 0.25 dB

MER

> 35 dB

Probe

- 40 dB

Probe connector

BNC, 50 ohm

Power amplifier protection

Automatic level control (ALC)
 VSWR protection,
 PS over current, PS over voltage
 Over temperature

General specification

Power supply

220Vac +10/-15%, 50/60Hz

Consumption

750VA

1500VA

Dimension

(1+3)U 19" rack

(1+4)U 19" rack

Temperature range operating

+5...+45°C

Humidity

90% RH

Cooling

Forced air

Control and monitoring

Local control

All settings are available on the front panel

Remote control

Programmable alarms and signals for essential control
 Transmitter control via Ethernet or GSM-network with SW