

# WISI VT 52 B

HMS Transponder



## Description

The VT 52 B HMS Transponder provides control and monitoring capabilities to the WISI node and amplifier portfolio (1.2 GHz series).

## At a glance:

- For Compact Line Amplifiers VX 5x(B) and Nodes LR4x
- Hardware compliant with SCTE HMS physical layer ANSI/SCTE 25-1
- Software compliant with SCTE HMS-MAC layer ANSI/SCTE 25-2
- Update capability over HMS RF layer
- Advanced and customizable Automatic Channel Discovery (ACD)

Technical data	
<b>Downstream</b>	
Frequency range	48...162 MHz fully agile (100 kHz steps)
Impedance	75 Ω
Input level	40...80 dBμV
Return loss	>12 dB
C/N for BER <10-6	20 dB
Modulation type	FSK
Deviation	±67 kHz
Data format	asynchronous, NRZ
Data rate	38,4 kbit/s
<b>Upstream</b>	
Frequency range	5...21 MHz fully agile (100 kHz steps)
Impedance	75 Ω
Output level	77...97 dBμV (2 dB-steps)
Return loss	>12 dB
Level accuracy	±3 dB
Spurious radiation	>55 dBc
Frequency accuracy	±10 kHz
Modulation type	FSK
Deviation	±67 kHz
Data format	asynchronous, NRZ
Data rate	38,4 Kbps
<b>General data</b>	
Backplane Connector to VX board	2 x 5 Pins
Ambient temperature	-40...+85 °C
Supply voltage	5...24 V
Power consumption	2 W
MAC layer protocol	ANSI/SCTE 25-2
Management Protocols	SNMP v1
Supported HMS Management information bases (MIBs)	SCTE ROOT MIB, SCTE HMS ROOT MIB, SCTE HMS COMMON MIB, SCTE HMS PROPERTY MIB, SCTE HMS ALARMS MIB, SCTE HMS, DOWNLOAD MIB, SCTE HMS RFAMPLIFIER MIB, SCTE HMS TIB MIB
Supported WISI Management information bases (MIBs)	WISI ROOT MIB, WISI HFC RFAMP COMPACT MIB, WISI HFC COMMUNICATION MIB
Upgrade functionality	Reliable upgrade of software in unicast or broadcast according to SCTE HMS DOWNLOAD MIB
<b>Transponder Specific Configuration</b>	
Alarm activation	On/Off
Alarm Delay Counter	1...30
Temperature thresholds	Lo/LoLo/Hi/HiHi/Deadband/Alarm Enable Mask
NMS Downstream input level thresholds	Lo/LoLo/Hi/HiHi/Deadband/Alarm Enable Mask
Craft interface status alarm	Alarm Enable Mask
Communication status alarm of monitoring device	Alarm Enable Mask

Technical data	
Automatic Channel Discovery	On/Off
NMS Downstream frequency	48...162 MHz
NMS Upstream power level	85...105 dBμV
<b>Transponder Specific Monitoring</b>	
Craft interface status (Bluetooth user log state)	connected/not connected
Communication status of monitoring device (VX 5x)	remote/not communicating
Temperature	measurement value in °C
NMS Downstream input level	measurement value in dBμV

Packaging data	
Sales unit	pcs.
Dimensions (WxHxD) sales unit	mm
Packaging volume sales unit	dm³
Gross weight sales unit	kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm³
Gross weight shipping unit	kg
EAN	4010056749293
Article number	74929
Customs tariff number	85439000