

		593303	593301	593302	593304
Frequency					
Range		50- 880 Mhz and 950- 2200 Mhz			
Resolution		125 Khz			
Tuning		Frequency or channel			
Spectrum analyser					
Span		5, 10, 20, 50, 100, 200, 500 MHz and Full			
Scale		5 and 10 dB/div			
Reference level (automatic and manual)		✓			
DVB-S digital measurements [Modulation: QPSK]					
Image		✓	✓	✓	✓
Power	From 45 to 110 dBµV	✓	✓	✓	✓
CBER	9.9E-2 – 1.0E-6	✓	✓	✓	✓
VBER	1.0E-4 – 1.0E-8	✓	✓	✓	✓
MER	Up to 20 dB	✓	✓	✓	✓
C/N	Automatic	✓	✓	✓	✓
Constellation		✓	✓	✓	✓
SCR dCSS	EN 50494 EN 50607	✓ Upgrade 593234*			
DVB-S2 digital measurements [Modulations: QPSK, 8PSK]					
Image		✓	✓	✓	✓
Power	From 45 to 110 dBµV	✓	✓	✓	✓
Link Margin	Up to 10 dB	✓	✓	✓	✓
MER	Up to 20 dB	✓	✓	✓	✓
LDPCBER	9.9E-2 – 1.0E-6	✓	✓	✓	✓
BCHBER	9.9E-2 – 1.0E-8	✓	✓	✓	✓
Constellation		✓	✓	✓	✓
SCR dCSS	EN 50494 EN 50607	✓ Upgrade 593234*			
DVB-T digital measurements [Modulations: COFDM (QPSK, 16QAM, 64QAM)]					
Image		Upgrade 593231	✓	✓	✓
Power	From 45 to 110 dBµV	Upgrade 593231	✓	✓	✓
	From 45 to 120 dBµV	Upgrade 593231 + Upgrade 593235*	✓ Upgrade 593235*	✓ Upgrade 593235*	✓ Upgrade 593235*
CBER	9.9E-2 – 1.0E-6	Upgrade 593231	✓	✓	✓
VBER	1.0E-3 – 1.0E-8		✓	✓	✓
MER	Up to 35 dB		✓	✓	✓
C/N	Automatic		✓	✓	✓
Echoes			✓	✓	✓
Constellation			✓	✓	✓
DVB-T2 digital measurements [Modulations: COFDM (QPSK, 16QAM, 64QAM and 256 QAM)]					
Image		Upgrade 593231 + Upgrade 593232	Upgrade 593232	✓	✓
Power	From 45 to 110 dBµV	Upgrade 593231 + Upgrade 593232	Upgrade 593232	✓	✓
	From 45 to 120 dBµV	Upgrade 593231 + Upgrade 593232 + Upgrade 593235*	Upgrade 593232 + Upgrade 593235*	Upgrade 593235*	Upgrade 593235*
LDPCBER	9.9E-2 – 1.0E-6	Upgrade 593231 + Upgrade 593232	Upgrade 593232	✓	✓
BCHBER	1.0E-3 – 1.0E-8			✓	✓
Link Margin	Up to 30 dB			✓	✓
MER	Up to 35 dB			✓	✓
C/N	Automatic			✓	✓
Echoes				✓	✓
Constellation		✓	✓		
DVB-C digital measurements [Modulations: 16QAM, 32QAM, 64QAM, 128QAM and 256 QAM]					
Image		✓	Upgrade 593233	Upgrade 593233	✓
Power	From 45 to 110 dBµV	✓	Upgrade 593233	Upgrade 593233	✓
	From 45 to 120 dBµV	Upgrade 593235*	Upgrade 593233 + Upgrade 593235*	Upgrade 593233 + Upgrade 593235*	Upgrade 593235*
CBER	1.E-2 – 1.0E-8	✓	Upgrade 593233	Upgrade 593233	✓
MER	Up to 38	✓			✓
C/N	Automatic	✓			✓
Analogue measurements					
Level	25 and 125 dBµV	✓	✓	✓	✓
V/A		✓	✓	✓	✓
C/N		✓	✓	✓	✓
Mechanical characteristics					
Weight		510g			
Dimensions		175 x 100 x 52 mm / 6.9 x 3.9 x 2 in (H x W x D)			
AC adaptor		Input: 100-240V~ 50-60Hz Output: 12VDC, 2A			
Battery		Li-ion Battery(7.2VDC, 2300mAh)			
Battery range		>4hours without LNB powering			
Resilience		It withstands drops from 1 m (3.2 ft) onto concrete on all sides			
Storage capacity		400 MB (internal) for measurements			
Interfaces		USB 2.0 for Data log download and software upgrades			
Measurements and functions					
Terrestrial plans		CCIR, CCIR + LTE, OIRT, KBW, FCC, DAB, SIM			
Satellite plans		68E INTEL C, 68E INTEL, 42E TURK, 39E HELLAS, 33E EUTEL, 28E EUTEL, 28E ASTRA, 26E BADR, 25E EUTEL, 23E ASTRA, 21E EUTEL, 19E ASTRA, 16E EUTEL, 13E HOTB, 10E EUTEL C, 10 EUTEL, 9E EUTEL, 7E EUTEL, 4E ASTRA, 1W THOR5, 1W THOR6, 5W EUTELC, 5W EUTEL, 7W NILE, 30W HISPA, 48W AMZC, 48W AMAZ, SIM			
Units		dBµV, dBmV, dBm			
LNB powering		13, 18 Vdc			
LNB tone		22 KHz			

* Free upgrade when registering the equipment