918 MEASUREMENT EQUIPMENT

FIELD STRENGTH METER DVB-T2/S2/C HD TS



Code : **9180008**

Model : **FSM-640**

Description
Field strength meter for satellite and terrestrial TV. ALCAD's FSM field strength meters are equipped with a graphic interface which is particularly user-friendly thanks to its specific designed software for tactile screen.

Applications
Measurement and analysis of terrestrial and satellite TV installations, providing the necessary measurements for digital DVB-T/H, DVB-T2, DVB-S and DVB-S2 signals, as well as analogue measurement in PAL, SECAM and NTSC. Graphic interface showing measurements and satellite dish pointing. Superfast spectrum analysis. Viewing of TV programmes in HD (MPEG-4 H.264). Allows channels to be loaded via its Ethernet and USB ports and saved.

Characteristics
10" LCD TFT panoramic colour touchscreen. Battery with autonomy of 4 hours. Its size and weight make it easy to handle, also includes a backpack for transport. Protective cover against bumps and dirt.

CODE		9180008			
MODEL		FSM-640			
RF input					
Terrestrial frequency range	MHz	5-900			
Satellite frequency range	MHz	900-2200			
Resolution	KHz	Terrestrial 50 KHz sampling 1 KHz Satellite 1 KHz sampling 1 KHz			
Tuning mode		Channel / Frequency			
Search mode		Manual / Automatic			
Standards		B, G, D, K, I, L, M, N, FM, PAL, SECAM, NTSC, DVB-T/H, DVB-T2, DVB-S, DVB-S2, DSS			
Impedance	Ω	75			
Connection		F male with F-F , F-BNC adapters			
Remote supply	V⎓	5	13	18	24
	mA	500	500	500	300
LNB supply		13-18V /0-22Khz /DiSEqC 1.2			
Dynamic level range	dBµV	20..120 (terrestrial) - 30..110 (sat)			
Analog measurements					
Terrestrial band		Signal level, Carrier to noise (C/N), video/audio ratio			
Satellite band		Signal level, C/N			
Digital measurements					
DVB-T/H		Signal level, C/N, MER, VBER, CBER, UNC, echoes analyzer and constellation			
DVB-T2		Signal level, C/N, MER, LDPC, BCH, FER, echoes analyzer and constellation			
DVB-S		Signal level, C/N, MER, VBER, CBER, UNC and constellation diagram			

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Spectrum		
Ultra fast analysis mode	ms	350 (3 times for s)
Span	MHz	5.. full
Display graphics		60 dB (10dB/div)
Attenuation		0..50dB automatic
Display		
Display type		16/9 LCD TFT 10" tactile
Resolution		1280x800
Digital mode		SD (MPEG-2), HD (MPEG-4)
Audio		MPEG-1, MPEG-2, Dolby® Digital, Dolby® Digital Plus
Connection		HDMI for output audio, video
Other specifications		
Keyboards and cursor		Capacitive touchscreen
Ports		LAN RJ-45, USB, mini USB
Data storage		Non volatil memory, USB pendrive
General features		
Power supply		110/230Vac - 15V -6A adapter
Battery		LiOn 70W
Autonomy		4H typ.
Charging time		1,5 Hour for 80% capacity
Operatin temperature range	°C	-5.. 45
Units per packing		1
Packing weight	Kg	4,4
Packing dimensions	mm	336 x 444 x 148