

# 918 MEASUREMENT EQUIPMENT

## Tactile TV Field strength meter



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.



FSM-640

CODE		9180008			
MODEL		FSM-640			
<b>RF input</b>					
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 <sub>DC</sub>	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)			
<b>Analog measurements</b>					
Terrestrial band		Signal level, Carrier to noise (C/N), video/audio ratio			
Satellite band		Signal level, C/N			
<b>Digital measurements</b>					
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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<b>Spectrum</b>			
Ultra fast analysis mode	ms	350 (3 times for s)	
Span	MHz	5.. full	
Display graphics		60 dB (10dB/div)	
Attenuation		0..50dB automatic	
<b>Display</b>			
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	
<b>Other specifications</b>			
Keyboards and cursor		Capacitive touchscreen	
Ports		LAN RJ-45, USB, mini USB	
Data storage		Non volatil memory, USB pendrive	
<b>General features</b>			
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	