



Radio Monitoring

Flexible Monitoring

LS OBSERVER
Small Monitoring Unit (SMU) 312n



TECHNICAL DETAILS **LS OBSERVER SMU 312n**

RF Characteristics		
RF Characteristics	Frequency range	100 kHz to 12.4 GHz
	Scanning speed	up to 140 MHz/s
	Max. input level	+16 dBm, 0 VDC
	Instantaneous bandwidth	up to 240 kHz
	Frequency accuracy	1 ppm
Connectivity		
Connectivity	RF antenna input	1x N-Type
	Wired	2x Gigabit-Ethernet (LAN), 1x USB 2.0
	Wireless networking	UMTS, LTE
	Wireless local networking	WiFi (802.11 b/g/n)
Geolocation		
Geolocation	Direction Finding (DF)	yes, with optional directional antenna
	Gain Ratio of Arrival (GROA+ [®]) ¹	yes
	Time Difference of Arrival (TDoA)	no
	GPS receiver	yes
	GPS antenna input	1x SMA, antenna included
Storage		
Storage	Storage time of raw data ²	up to 30 days
	Storage time of statistic data ³	up to 2 years
Environmental Parameters		
Environmental Parameters	Ruggedized	yes
	Temperature range ⁴	-5°C to +45°C
	Power supply	90-264 VAC 50-60 Hz or 13-25 VDC
	Power consumption	max. 22 W
	Battery runtime (typ.) ⁵	2 hours (hot swap capable)
	Weight (system unit) ⁶	5.30 kg
	Dimensions in mm (W/H/D)	350 x 250 x 60
	Humidity (non-condensing)	up to 95 %
	Protection	IP 54
	Colour	anthracite-gray
Software	LS OBSERVER RMS (Remote Monitoring Software)	

¹ Including option GROA+[®]

² Using LS noise reduced raw data material (not IQ data)

³ Using LS statistical processed raw data

⁴ Startup-temperature greater 0°C

⁵ Dependent on battery type

⁶ Including batteries (dependent on battery type)

For further information, please visit our website www.LStelcom.com or contact Info@LStelcom.com.