



Radio Monitoring



# Handheld Monitoring

LS OBSERVER  
Portable Monitoring Unit (PMU) 306w

# TECHNICAL DETAILS **LS OBSERVER PMU 306w**

RF Characteristics		
RF Characteristics	<b>Frequency range</b>	9 kHz to 6 GHz
	<b>Scanning speed</b>	24 GHz/s @10 kHz RBW
	<b>Max. input level</b>	+16 dBm, 0 VDC
	<b>Instantaneous bandwidth</b>	up to 27 MHz
	<b>Sensitivity (DANL)</b>	-153 dBm/Hz average, depending on frequency
	<b>Frequency accuracy</b>	0.07 ppb (GPS disciplined)

Connectivity		
Connectivity	<b>RF antenna input</b>	1x N-Type
	<b>GPS antenna input</b>	1x SMA, antenna included
	<b>Wired</b>	2x Ethernet RJ45 (LAN), 1x USB 2.0
	<b>Wireless networking</b>	3G, 4G, 5G (EMEA only)
	<b>Wireless local networking</b>	WiFi (802.11 b/g/n), Bluetooth

Features		
Features	<b>Software<sup>1</sup></b>	LS OBSERVER CMS (Central Monitoring Software)
	<b>Spectrum Monitoring</b>	yes
	<b>Direction Finding (DF)</b>	Manual with optional HHA-x antenna
	<b>TDoA Geolocation<sup>2</sup></b>	yes
	<b>Demodulation</b>	Analog audio for AM, FM, DSB, USB, LSB and CW

Storage		
Storage	<b>Storage time of raw data<sup>3</sup></b>	up to 30 days
	<b>Storage time of statistic data<sup>4</sup></b>	up to 2 years

Environmental Parameters		
Environmental Parameters	<b>Ruggedized</b>	yes
	<b>Temperature range</b>	-20°C to +50°C
	<b>Power supply</b>	90-264 VAC 50-60 Hz or 13-25 VDC
	<b>Power consumption</b>	max. 30 W
	<b>Battery runtime (typ.)<sup>5</sup></b>	2 hours (hot swap capable)
	<b>Weight (system unit)<sup>6</sup></b>	5.30 kg without tablet computer
	<b>Dimensions in mm (W/H/D)</b>	without tablet computer 350 x 250 x 60 with tablet computer 350 x 250 x 100
	<b>Humidity (non-condensing)</b>	up to 95 %
	<b>Protection</b>	IP 54
<b>Colour</b>	anthracite-gray	

<sup>1</sup> CMS\_CL and RMU\_LRC included, Add-ons need to be ordered separately

<sup>2</sup> Requires software option RMU\_TDOA

<sup>3</sup> Depending on range and RBW, Excluding IQ data

<sup>4</sup> Overview and FCO data, depending on range and time interval

<sup>5</sup> Dependent on operation mode and battery type

<sup>6</sup> Including batteries (dependent on battery type)

For further information, please visit our website [www.LStelcom.com](http://www.LStelcom.com) or contact [Info@LStelcom.com](mailto:Info@LStelcom.com).