

**VEHICLE TRACKING AND SECURITY SYSTEM  
PERGO F80 TECHNICAL SPECIFICATIONS**

<b>HARDWARE</b>		
<b>GPS Specifications</b>		
	GPS Chipset	U-BLOX5
	Antenna	Internal (Passive Antenna)
	Cold Start	29 seconds
	Warm Start	29 seconds
	Hot Start	1 second
	GPS Sensitivity	-160 dBm
	SuperSense Indoor GPS	Yes
	Positioning System	GPSL1, GALILEO1, SBAS, WAAS, EGNOS, MSAS, GGAN
	Number of GPS Receiver Channels	50
	Assist-GPS	Available
<b>GSM Modem Specifications</b>		
	GSM Protocol	Class 10
	GSM Modem	Quart Band 800/900/1800/1900
	Antenna	Internal
	SIM Card	Internal
<b>Communication</b>		
	GPRS	Available
	SMS	Available
	DataCall	Not supported
	Radio	N/A
	Satellite	N/A
<b>Positioning</b>		
	GPS positioning	Available
	A-GPS Support	Available
	GSM Cell Information Sending	Available
	MPS (Mobile Positioning System)	N/A
<b>Casing</b>		
	Dimensions	88x75x36 mm (238 cm <sup>3</sup> )
	Weight	200 Gram (excluding battery, including magnets)
	Casing standard	IP67
<b>Other Specifications</b>		
	Operating Voltage	6 V DC – 35 V DC
	Operating Temperature	-30°C..+70°C (excluding battery)
	Battery Operating Temperature (Li-Ion)	-20°C..+60°C
	Power Consumption Under Normal Conditions	180 Mw
	Power Consumption During Reception/Sending (Average)	1W
	Power Consumption in Sleep Mode	Between 0.1 mW and 3 mW depending on the power supply and shutdown status
	Automatic wake-up from sleep mode	Available
	Automatic start-up	Available It can be started/shut down using the button. If not shut down, it automatically goes into sleep mode during immobility.
	GPRS connection time	5-25 seconds

Chargeability	Available. 7.8 Ampere battery average 4 hours
External Charge Adaptor	Available
Internal Battery	7.8 Ampere/Hour Chargeable Li-ion (200 gr)
Offline Position Recording	Available – Capacity to store 100.000 position data
Microphone	Internal
Firmware Updateable over GPRS	Available – Automatic version check and update by the Center
Reading and changing operating settings over GPRS	Available
Position data compression	Available – Total 15 bytes of data sent includes latitude, longitude, speed, direction, height, number of satellites, position accuracy and distance information.
Minimum position transfer interval	1 second
Mounting under vehicle using magnets	Available. 4 Neodium magnets
Communication with the Center	TCP/IP - TCP Socket
Secondary connection support	Available. If connection cannot be established over the primary GPRS connection, it is established using the secondary GPRS connection.
3D axis sensor	Available
Guarantee	2-year Guarantee
Manufactured in	Turkey