



LGP 800

Device data

Dimensions (W × D × H)	48.3 × 35.6 × 26.7 cm (19" × 8 HP × 6 U)
Weight	approx. 10 kg approx. 15 kg with table housing

Certificates

Certificate	E13*10R00*10R04*13309*00
Marking	CE E13 10R-0413309

Features

Port	Bluetooth, USB
Processor	microcontroller 8 bit dual USB Host Controller
GPS	with dead reckoning
Sensor	laser
Pump	suction pump, 14 l/min

Operating conditions

Operating temperature	-10 – 50 °C
Storage temperature	-40 – 80 °C
Humidity	0 – 99 % r.h., non-condensing
Atmospheric pressure	800 – 1100 hPa
Protection rating	IP20
Non-permitted operating environments	in explosion-protected areas off-road
Normal position of use	installed horizontally in the vehicle

Power supply

Power supply	12 V
	without external alarms: max. 2 A
	without external alarms: max. 20 A

GPS

Accuracy	approx. 2.5 m
Measuring technique, additional	dead reckoning
Aerial	external

Laser sensor

Gas type	CH ₄
Measuring range	0 – 40,000 ppm in synthetic air
Resolution	0.1 ppm at 1 s integration time
Response times	2 s
Warm-up time	0.5 min
Measuring error	≤ 0.8 ppm for measurement values up to 100 pp
Interference	none known
Lifetime, expected	5 years

Additional data

Type of cable	power supply: 2 × 6 mm ² aerial: RG58 FME, ready to fit reversing/speed signal: FLY 1 × 0.75 mm ² (2x)
Cable length	power supply: 5 m aerial: 4 m or 6 m reversing/speed signal: 5 m
Attachment option	installation in table housing or rack (19")

Computer system requirements

Operating system	Windows 10
RAM	minimum 8 GB
Interface	USB, Bluetooth (or Bluetooth stick)
Screen resolution	1024 × 768

Assignment

System components of	LaserGasPatroller
For use with	SeCuRi SAT software