

Tlačená zostava Ground explorer s terénnym vozíkom RTC

GX Kontrolér s displejom s vysokým rozlíšením 1024x768
trieda Hi-Brite - čitateľnosť pri ostrom slnku
zosilnené alumíniové púzdro, tvrdené sklo displeja



Ovládanie pomocou jediného turn-push tlačidla a menu 2D projekt, 3D projekt, Objekt Mapper projekt



Odnímateľné rukičky ukotvené v ťažisku georadarovej zostavy

RTC vozík do ťažkého terénu s enkóderom pohybu s robustnými kolieskami o priemere 40cm

HDR anténa v kolíske RTC vozíka (na obrázku je GX160 HDR)

Diferenciálne GPS integrované do antény

Jeden data/power kábel





MALÅ GX80 HDR

Technology:	MALÅ Semi-Real-Time ^{pat pending}
Antenna center freq.:	80MHz
SNR:	> 114.4dB
Significant/useful number of bits:	> 19 bit
Scans/second:	> 1200, time window 812nS
Survey speed:	430 [km/h] point distance 10cm
Data acquisition rate:	160MHz
Time window:	812ns
Operating time:	5 h
Bandwidth:	>120%, fractional, -10dB
Positioning:	Inbuilt DGPS, external GPS, wheel encoder
Power supply:	Interchangeable 12V Li-Ion batt. or ext. 12V DC source
Power consumption:	1.3 A
Acq. Mode:	Wheel, time or manual
Dimensions:	1010 x 780 x 220 mm
Weight:	24,6 kg
Operating temp:	-20° to +50°C or 0° to 120°F
Environmental:	IP65



MALÅ GX160 HDR

Technology:	MALÅ Semi-Real-Time ^{pat pending}
Antenna center freq.:	160MHz
SNR:	> 107dB
Significant/useful number of bits:	> 17 bit
Scans/second:	> 880, time window 625nS
Survey speed:	320 [km/h] point distance 10cm
Time window:	625ns
Operating time:	5 h
Bandwidth:	>120%, fractional, -10dB
Positioning:	Inbuilt DGPS, external GPS, wheel encoder
Power supply:	Interchangeable 12V Li-Ion batt. or ext. 12V DC source
Power consumption:	1.3 A
Acq. Mode:	Wheel, time or manual
Dimensions:	720 x 480 x 190 mm
Weight:	10.7 kg
Operating temp:	-20° to +50°C or 0° to 120°F
Environmental:	IP65



MALÅ GX450 HDR

Technology:	MALÅ Semi-Real-Time ^{pat pending}
Antenna center freq.:	450Mhz
SNR:	> 101dB
Significant/useful number of bits:	> 16 bit
Scans/second:	> 770, time window 300nS
Survey speed:	275 [km/h] point distance 10cm
Time window:	300ns
Operating time:	5 h
Bandwidth:	>120%, fractional, -10dB
Positioning:	Inbuilt DGPS, external GPS, wheel encoder
Power supply:	Interchangeable 12V Li-Ion batt. or ext. 12V DC source
Power consumption:	1.3 A
Acq. Mode:	Wheel, time or manual
Dimensions:	430 x 360 x 180 mm
Weight:	5.5 kg
Operating temp:	-20° to +50°C or 0° to 120°F
Environmental:	IP65

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MALÅ GX750 HDR

Technology:	MALÅ Semi-Real- Time ^{pat pending}
Antenna center freq.:	750Mhz
SNR:	> 97dB
Significant/useful number of bits:	16 bit
Scans/second:	> 1290, time window 75nS
Survey speed:	460 [km/h] point distance 10cm
Time window:	75ns
Operating time:	5 h
Bandwidth:	>120%, fractional, -10dB
Positioning:	Inbuilt DGPS, external GPS, wheel encoder
Power supply:	Interchangeable 12V Li-Ion batt. or ext. 12V DC source
Power consumption:	1.3 A
Acq. Mode:	Wheel, time or manual
Dimensions:	375 x 235 x 170 mm
Weight:	3.6 kg
Operating temp:	-20° to +50°C or 0° to 120°F
Environmental:	IP65



MALÅ GX Controller

Processor:	1.6GHz Intel Atom
Display:	1024 x 768
OS:	Linux
Memory:	8GB compact Flash memory
Data output resolution:	32 bit
Comms:	Ethernet, USB3.0, RS232 (serial)
GPS:	Integrated support for built-in GPS, or external GPS via USB/serial port (NMEA 0183 protocol).
Power supply:	Internal 12V/20.8 Ah Li-Ion battery, or any external 10-15V DC source.
Charger:	Internal. Unit can also be charged from any external 12 - 15V DC source.
Power consumption:	1.3 – 2.0 A
Operating time:	8 – 10 h
Dimensions:	430 x 360 x 180, including handles
Weight:	3.2 kg
Operating temp:	-20° to +50°C or 0° to 120°F
Environmental:	IP65

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