

559014-4035

894-3532

SE559014403501

Org. No.:

VAT No.:

Bankgiro:

ImpulseRadar Raptor-80

ANTENNA		
Technology	ImpulseRadar real-time sampling	
Antenna type	Raptor	
Centre frequency	800 MHz	
Signal to noise ratio (SNR)	>100 dB	
Significant/useful number of bits	>16 bit	
Scans/second	>800	
Survey speed	> 70 km/h @ 5 cm point interval	
Data acquisition rate	160 MHz	
Time window	125 ns (24-channels)	
Bandwidth	>120% (fractional, -10 dB)	
Acquisition mode	Wheel, time or manual	
Positioning	Wheel encoder, external GPS and Total-station	
GPS support	Integrated support for GPS (int./ext.), NMEA 0183 protocol	
Data time-tagging	To 1ms of \GPS-time	
Power supply	12 V Li-Ion rechargeable battery, or ext. 12 V DC source	
Power consumption	0.5 A per channel	
Operating time	7 hours (12-channel with 50 Ah battery)	
Dimensions	150 x 110 x 90 mm (Antenna only)	
Weight	0.87 kg (Antenna only)	
Operating temperature	-20° to +50°C	
Environmental	IP65	
Regulatory certification	CE, FCC and IC	
USER INTERFACE	Laptop PC (min. requirements)	
Display	10" backlit, sun-readable	
Operating system	Windows 7 or later	
Processor	>1.8 GHz, 64-bit (x64)	

Memory	>8 GB RAM (64-bit)		
Storage	>20 GB (64-bit)		
Graphics	DirectX 9 graphics device with > WDDM 1.0 driver		
Communications interface	Ethernet 1 Gb		
Recommendation	Panasonic Tough Book FZ G2 (or equivalent)		
CARRIER SOLUTIONS	Cart (up to 12-channels)	Vehicle (up to 26- channels)	
Dimensions (when in use)		180 x 83 x 57 cm	
Dimensions in-folded			
4-wheel solution	92 x 102 x 45 cm		
3-wheel solution	92 x 90 x 45 cm		
Scan width (swath)	67.5 cm	1.512 m	
Total weight with carrier	50 kg	79 kg	
SOFTWARE			
Talon-2 3D Data Acquisition software	 Quick and easy configuration and start-up Positioning configuration and device sync monitoring Visualization of radargram for each channel Data merge, storage and export 		
Condor 3D GPR Processing & Interpretation Software	 OspreyView (application of a novel method of visualizing 3D-GPR data) Effective workflows Efficient sub-surface imaging 		

ImpulseRadar products are under continuous development and we reserve the right to change specifications at any time and without prior notice. You may verify product specifications at any time by contacting our headquarters using the details listed below.

Org. No.:

VAT No.:

Bankgiro:

559014-4035

894-3532

SE559014403501