

VE564™

Fleet

Max Number of fleet	100
Max Number of vibrator	100
Max Number of vibrator by fleet	8

Sweep

Frequency Range	1-400Hz in 0.1Hz steps
Type	Linear, Logarithmic, Pulse, user defined (custom file)
Nb of programmed sweep	100
Length	1-64 seconds

Timing

Time-Break Accuracy	+/-10 μ s
Clock Source	External GPS : no drift , GPS accuracy

Servo-control

Cycle	125 μ s
Mode	Raw or Filtered
Options	SmartLF
Sensors	AS1 - 100g 1 accelerometer on Reaction-Mass Up to 2 accelerometers on Baseplate
Outputs	Analog Pilot Weighted Sum Force Weighted Reaction-Mass acceleration Weighted Base-Plate acceleration Time-Break Digital pilots
Vibrator type	P-Wave hydraulic vibrator

Seismic mode

Centralized seismic mode	FlipFlop , SlipSweep, DSS, iDSS
Autonomous seismic mode	ISS, xDSS

Storage and Export

Internal memory	64 GB
Supported vibrator file outputs	SEG-D Extended-QC
Supported recorder file outputs	VAPS APS COG
SEG-D storage	7000 vibrations (12 secs, 2ms, 4 signals)
SEG-D format	SEG-D Rev 3.1
SEG-D sample rate	0.5,1,2,4 ms
SEG-D filter Type	LIN, MIN or 300Hz High-Cut filter
SEG-D signals	Pilot Force Reaction-Mass Acceleration Baseplate Acceleration 1 Baseplate Acceleration 2 Torque Mass Lvdt Valve Lvdt Filtered Force Overload
External storage	Tablet with application for real-time or non real time export. (USB Flash storage limited to sweep trials)

External Devices

Radio	Raveon M7 VHF or UHF Racom Ripex 1 VHF or UHF
GPS	Trimble SPS855 Trimble R750 GPS providing PPS signal and NMEA frames (ZDA & GGA)
Wifi Bridge	Airbox 1 or 2

VE564 DSD - Environment

Software Mode	Base (use in recorder truck) Mobile (use in vibrator truck)
Dimensions (W x D x H)	319 x 428 x 101 mm (12.5 x 16.7 X 4 in)
Weight	7.5 kg (15.4 lb)
Power supply	10-32V
Power consumption	30 W
Operating temperature range	0°C to +45°C
Storage temperature range	-40°C to +70°C
Waterproofness	IP64
RoHs	Compliant with directive 2011/65/UE

Note: Sercel reserves the right to change its specifications without prior notice. All specifications are typical at 25°C

Sercel - France

16 rue de Bel Air- B.P. 30439
44474 CARQUEFOU Cedex
Tel: (33) 2 40 30 11 81
E-mail: sales.nantes@sercel.com

Sercel Inc. - U.S.A.

17200 Park Row - Houston,
Texas 77084
Tel: (1) 281 492 6688
E-mail: sales.houston@sercel.com



www.sercel.com

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