

Scantronic Electronic Blasting System Technical data

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System specifications:

Delay time range	1 – 16 000 ms
Minimum interval	1 ms
Delay time maximum deviation	< ± 0.2 %
Tensile strength, minimum	40 N static tension for 2 minutes, 100 N for 10 seconds
Maximum number of detonators per blast	500
Network type	Parallel non-polarized
Water resistance	0.69 MPa for 72h
Dynamic pressure	78 MPa
Network tests	Ability to check detonators before blasting
Detonator wire length	4 m, 6 m, 10 m, 15 m, 20 m, 25 m, 30 m, 0,6 mm ø single-core iron wire
Maximum communication distance	1000 m using 0,5 mm ² twisted copper wire
Static resistance	Wire-wire: 20 kV / 2500 pF discharge Wire-shell: 30 kV / 2500 pF discharge
RF resistance	80 MHz – 2 GHz, 10 V / m, 250 mA stray current
Connection between Blaster and Logger device	Bluetooth LE [®]
Voltage on-line	Maximum 25 V
Operation temperature	-40 ° C - + 80 ° C
Storage temperature	-40 ° C - + 60 ° C
Shelf life	Maximum 24 months from production date

Additional data and things to know about Scantronic

Scantronic is a cloud-based system. That means it is readily accessible almost anywhere in the world.

Devices needed to use Scantronic blasting system are Pyylähti Blaster device and your smartphone. Software for the smartphone will be provided by Pyylähti.

Smartphone is used to log the locations for boreholes, set the delay times for detonators, and read the ID's for detonators at the field.

Delays for detonators can be set with the computer as well.

