



TORSUS COMPACT 50

TORSUS COMPACT 50 is an intrusion detection system for rigid metal fences suitable for the protection of small perimeters. It offers a very high detection capability and a quick and easy installation.

Torsus Compact 50 is composed of special “torsion” sensors and a sophisticated analysis unit which **detect shock, climb and breakthrough attempts** on rigid metal fences and palisades.

Modular. The system is supplied in a kit containing all the components to protect a 50-metre perimeter. Such a length can be expanded for further 50 metres, for a total length of 100 metres, by means of a special expansion module.

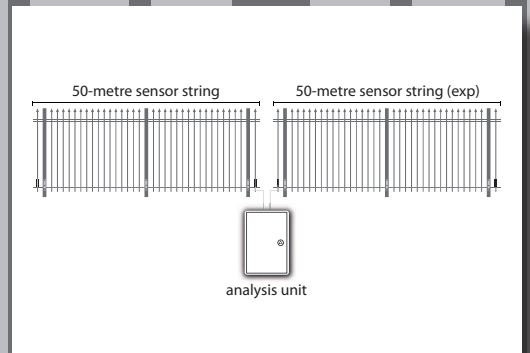
Easy to install. To simplify and quicken the installation of the system, the analysis unit and the sensor-strings are factory wired and tested.

Flexible. The sensor-strings follow the direction of the perimeter and suit the most difficult ground conditions.

Reliable. The system offers a very high tolerance towards adverse weather conditions (rain, wind and snow), climbing vegetation and man-made factors such as nearby heavy traffic roads and railways.

Maintenance free. Thanks to the use of heavy duty and passive sensors, the system does not need any planned maintenance.

Intelligent. The system discriminates the different types of intrusion techniques, including climbing the structure without producing vibrations.



50-metre module

- An **analysis unit** composed of an IP44 box, where the following devices are placed:
 - a power supply board;
 - a main board managing one TORSUS 50 sensor-string and interfacing the control panel;
 - a buffer battery (charged by the main board) operating during mains failure or interruptions.
- A **pre-wired string of TORSUS 50 piezoceramic sensors** (sensor-string) for the protection of a 50-metre rigid fence. The sensor-string consists of either 20 detectors (2.5-metre spacing between the sensors) or 25 detectors (2-metre spacing).
- A **25-metre TORSUS 50 cable hank** to connect the sensor-string to the analysis unit.
- A **wiring kit** containing the necessities to fix the sensor-string cable to the fence, to make and resin the junction and termination of the string.



Analysis unit



TORSUS 50 sensor



Wiring kit

50-metre expansion module

- An **expansion board** for the management of a second sensor-string. This board is installed inside the analysis unit, therefore no additional cabinet is needed.
- A **pre-wired string of TORSUS 50 piezoceramic sensors** (sensor-string) for the protection of a 50-metre rigid fence. The sensor-string consists of either 20 detectors (2.5-metre spacing between the sensors) or 25 detectors (2-metre spacing).
- A **25-metre TORSUS 50 cable hank** to connect the sensor-string to the analysis unit.
- A **wiring kit** containing the necessities to fix the sensor-string cable to the fence, to make and resin the junction and termination of the string.



Expansion board



TORSUS 50 sensor



Wiring kit

Technical features:

Analysis unit:

- Power supply: 230 Vac \pm 10% 50 Hz
- Current consumption: 50 mA
- Operating temperature: -25° C \div $+80^{\circ}$ C
- Box dimensions: 200 x 255 x 135 mm (w x h x d)
- Box features: IP44, polyester
- Weight of the preassembled box: 2.9 kilos
- Analog inputs: 1 sensor-string with resistor balancing
- NC relay outputs (1A): intrusion alarm, tamper
- OC outputs: prealarm, mains loss (230 Vac), battery presence
- Calibrations and settings: via service software (PC windows using RS232 port)
- CPU: 32 bits, 16 Mhz
- Event memory: more than 20.000

Expansion board:

- Analog inputs: 1 sensor-string with resistor balancing
- NC relay outputs (1A): intrusion alarm, tamper

- OC outputs: prealarm

Wiring kit:

- 2 packs of tie-wraps (100 pcs each pack)
- 1 pack of two-component polyurethane resin (100 gr)
- 2 junction/termination cases

Sensor-string:

- 20 TORSUS 50 sensors, 2.5 metre spacing, colour grey or green
or
- 25 TORSUS 50 sensors, 2-metre spacing, colour grey or green

Connection cable:

- 25-metre hank, colour grey or green



© 2014 DEA Security S.r.l.
v. 2.0.1

DEA Security S.r.l. reserve the right to vary at any moment and without notice the information and the specifications herein.

DEA Security S.r.l.

Via Bolano, snc - 19037 Santo Stefano di Magra (SP) - Italy - tel. +39 0187 699233 - fax +39 0187 697615

Codice Fiscale e Partita IVA: 00291080455 - Registro Imprese di SP n. 00291080455 - REA n. 117344 - Capitale Sociale: € 100.000,00 I.V.

www.deasecurity.com - dea@deasecurity.com