



VRX TRAFFIC DATA RECORDER TRD-240 TRAFFIC'S HISTORIAN



TDR-240 is an electronic device which can operate with almost any type of Detector and sensor. It can collect, process, filter, classify and store all traffic data received by these devices in such an accurate way that can give precious and useful information for the installation of an intersection, a traffic artery or an area.

Specifications:

TDR-240 device has 24 channels for the connection of the sensors of the detectors either as single channel or in pairs (11 pairs).

1. In the case of the single channel connections the device can count:
 - a) Flow (number of crossings)
 - b) The average distance between the vehicles
 - c) Occupancy
2. In case the channels are connected in pairs,
 - a) Flow (number of crossings)
 - b) The average distance between the vehicles
 - c) Occupancy
 - d) Average Speed
 - e) Average vehicle length
3. TDR-240 can record traffic data in time intervals of 6, 10, 15, 20, 30, 60, and 120 minutes.
4. The capacity of its memory allows it to store data from 28 to 4854 days depending on the number of used channels and their complexity. For example if 8 channels are used, with a measuring interval of 30 minutes, the memory is sufficient for storing data for 185 days.
5. Independent events can also be recorded, for every crossing from any detector with all the characteristics mentioned above in detail for every single channel or pair of channels.
6. TDR-240 device can cooperate with other devices (traffic light controllers, e.t.c.) sharing the outputs of the detectors without interfering with each other.
7. Every channel produces two inputs, the first one is for the outputs of the detectors and the second is for faults (optional).
8. TDR-240 can configure the detectors by the use of software, if these detectors allow such a facility

Software

The Sylectis program, in a Microsoft Windows graphical environment, can be used for the configuration of the TDR-240 in an clear and easy to use way as well as the recovery of the recorded traffic data and stores them in an ASCII file. The file is suitable for use by Excel, Access or any other Database for further processing and exploitation.

Technical characteristics

1. Memory EEPROM 512 Kbytes. Stores configuration and traffic data in a safe way, independent from power supply.
2. Real Time Clock with are rechargeable buttry backup, giving 2 years accurate operation. If TDR- 240 is stored not in use the buttry's life lasts at least 40 years.

3. TDR-240 is equipped with 2 communication ports.
 - a) RS-232 using standard settings, without hands shaking, positioned on its front face Plate, for connections with computers or other portable devices.
 - b) RS-485 for connections with other devices such as detectors or another TDR-240, positioned on its back plate.
4. Standard Eurocard format.
 - a) Card size: 100x162 mm
 - b) Face Plate's size: 25x128 mm
 - c) Shocked type: DIN 41612 type B

Accessories

1. Power supply 110 or 220 VAC
2. Back plate independent from the type of detectors
3. Special back plate depended from the type of detectors.



VIEREX S.A.

MAIN OFFICE: 2, Liviis Str. - Zografou

GR - 157 71 Athens, Greece

Tel.: +30-210-7719177 - Fax: +30-210-7717070

Tlx: 220214 VRX GR - Cable Address: VIEREXTLGM

Mail Address: P.O. Box 3018 - GR - 102 10 Athens

e-mail: sales@vierex.com

website: <http://www.vierex.com>

STORE HOUSE: 32, Teo Str. - Tavros GR - 177 78 Athens

Tel.: +30-210-3423380 - Fax: +30-210-3421043

PLANT: Panormos - GR - 195 00 Lavrio, Attiki

www.vierex.com