

Features:

- High Security
- Independent Cut & Climb Detection
- Dual Zone
- RS 485 Interface
- Automatic Environmental Control
- External Alarm Inputs
- Programmable Outputs
- LED Test Indicators



The Flexiguard FS302 Fence Detection Analyser is the latest High Security Analyser in the Flexiguard range. The analyzer receives the signals generated by the sensor cable and digitally processes them to determine the nature of the attack. All the detection parameters are adjustable for optimum performance.

Cut and Climb Detection

The FS302 has two independent zone circuits and each zone has independent cut and climb detection circuits. The detection parameters for cut and climb can be programmed independently. All settings are stored in non-volatile memory so once programmed the settings are not lost even when the analyser is powered down.

RS485 Communication

The analyser has inbuilt RS485 data communication. They can be connected back to the Multisys PC using standard single pair screened data cable, fibre optic cable or LAN. This enables all the settings to be programmed remotely at the PC. A hand held programmer is available to enable local programming if required. The analysers can be wired in a daisy chain configuration or in a star configuration when using the RS485 distribution unit.

Automatic Environmental Control

The analyzer has an Automatic Environmental Control which is used to automatically adjust the analyzer settings during bad weather conditions. It does this by sensing the signals which are generated in the fence due to wind and rain and adjusts the analyzer for optimum performance without compromising detection.

External Alarm Inputs

Each analyzer has two additional supervised alarm inputs for adding other external devices into the system. Any volt free contact can be connected to the input which can be programmed for normally open or normally closed operation.

Programmable Outputs

There are two programmable outputs which can be programmed by the Multisys PC. They can be linked to alarm events or can be controlled manually from an icon placed on a map.

LED Test Indicators

All the functions of the analyser are shown by LED indicators to enable the engineer to quickly and accurately install the analyzer.

Specification

Number of Zones	2
Programmable Functions for each zone	Cut : Sensitivity, Impulse Count, Time Window Climb: Sensitivity, Impulse Count Time Window
External Inputs	2, supervised using termination resistors
Input Types	Volt free contact. Normally open or closed
Programmable outputs	2
LED Indicators	Alarm, Tamper, Output On, Cut Impulse, Climb Impulse, Cut Time Window, Climb Time Window, Cable O/C, Cable S/C, A.E.C. Tx, Rx
Data Interface	RS485 half duplex
Baud Rate	9600 baud
Power Input	15 to 21VDC
Power Consumption	35mA
Temperature Range	-35 to +75 ⁰ C
Environmental Protection	PCB Conformal Coated
Size	220 x 120 x 80mm
Enclosure rating	IP68
Weight	1.75Kg
Optional extras	Audio Output, 1V p-p into 600 ohm Volt free relay outputs for alarm, tamper and outputs