

# SG31

## DATA SHEET



## **Fencing functions**

- Officially approved F.I.E. three-weapon scoring machine.
- Can be directly reprogrammed on board to latest F.I.E. regulations.
- Antifraud yellow lights.
- Automatic regulation of reset time from 1 to 9 seconds.
- Instantaneous reset at 0 when a fencing master gives a lesson.
- Whip-over blockage in the sabre.

## **Integrated stopwatch and round**

- Presetting of count-down time from 0 to 99 minutes (count-down time is memorized even when machine is turned off).
- Round can be set from 0 to 99.
- Blocking of hit detection when stopwatch time has reached: 00 :00.
- The SG31 can be set so that the stopwatch is halted automatically as soon as a hit has been recorded. This automatic stopwatch option can be turned on or off (for more information consult the section devoted to SG31 stopwatch options).
- As another option, possibility of introducing a one-minute pause between two rounds.
- 

## **Integrated scoring**

- Scoring of up to 99 hits can be displayed on both sides.
- The SG31 can be set so that the score is updated automatically every time a hit is recorded. This automatic scoring option can be turned on or off (for more information consult the section devoted to SG31 options).
- When the automatic scoring mode is set along with the automatic stopwatch mode, a halted stopwatch prevents the machine from updating the score automatically. Automatic updating of the score can only be performed when the stopwatch is running. This allows fencers to try their weapon after a hit has been detected without disrupting the score (useful for the epee in particular).

## **Remote control**

- Mixed transmissions : wire and infrared
- Driven by rechargeable Lithium Ion accumulator
- Remote control is rechargeable directly on one of two specially provided slots.
- Control of stopwatch, score, cards and priority.
- Control of general functions (choice of weapon, manual reset).
- Each remote has a unique address that is sent to the SG31 when it is recharging on the machine. Thereafter, the SG31 will only operate with this unique remote.



## **Communications**

- 6 RS422 connectors for general purpose computer communications.
- 2 special connectors for charging and communicating with either remote control or wireless portable.
- Setting of machine in slave mode for the repetition of scoring, stopwatch, round, cards, names and lamps from the master machine.
- 2 pairs of LAN connectors for “LonWorks” communications to central PC with Fencing Technologies special Windows program.
- Optional radio communications.

## **Other features**

- LCD screen for ease of option setting or selection as well as utter flexibility when programming new options.
- 2 side jack connectors for integrated external LED repeaters (for more information, consult section on peripherals).
- Internal management of text for output of names, countries to external panels.
- Internal management of cards and priority for output to external panels.
- Lamps are implemented with LEDs on a rounded flexible circuit for 180° vision thus preventing any need of maintenance connected to light bulbs while solving the problem related to LED directivity.
- Diagnostics capabilities for easy maintenance.
- Duplication of connectors on top and bottom for added ease of use in all configurations.

## **Family of peripherals**

- Table repeaters that connect directly on the sides of the machine.
- Horizontal repeater for display of names, cards and lights.
- Finals panels for repetition of results, names and lights in major events.
- Windows programs for control of a single machine and its peripherals or a host of machines connected to LAN.

