



**liffee**  
medical devices

# LSTR-12

*LIFEE's stress test, LSTR-12, allows the user to control several devices like treadmills, bicycles and blood pressure measuring devices, as well as acquiring ECG signals during exercise, allowing analysis and interpretation in a PC/laptop with our software. Some features of this technology are:*

- Acquires up to 12-leads simultaneously, with real-time display on screen in full disclosure mode
- Performs ST-segment analysis and ST average complexes analysis
- ECG waveforms can be frozen for detailed review
- Displays graphics trends
- Automatic base line correction, for adequate interpretation of studies
- Allows data transmission through USB or Wireless connection (optional)
- Generates printable reports in PDF, Word, JPG or BMP formats, and transmission of ECG data in SCP, XML, PDF, DOC and JPG.
- Compatible with a wide range of ergometers and treadmills, allowing speed and inclination control directly from the workstation
- Can include a blood pressure monitor or manual register of blood pressure
- Preloaded and customizable protocols, such as: Bruce and Modified Bruce, Kattus, Ellestad, among many others
- Measured parameters: PS, HR, PVC, ST max. & min, METs
- Realizes analysis in pre-workout, workout, recovery and end-of-test phases

### *Our competitive advantages:*

- Glasgow algorithm for ECG interpretation
- With a 24 bits A/D converter, our electrocardiographic system has real high resolution
- Wide printing speed options: 5, 10, 12.5, 25 or 50 mm/s
- Wide sensibility options: 2.5, 5, 10 or 20 mm/mV
- Many options for printing reports: medians, ECG strips, ST trend, ST/HR, ST slope and ST level, summary report, ST variance, etc.

### *Available filters:*

- EMG filter: OFF/25Hz/35Hz/45Hz
- DFT (base line) filter: weak/strong
- Low-pass filter: 75Hz/100Hz/150Hz
- AC filter: ON/OFF, 50 or 60 Hz (depending on power supply)