

M.B. 16.024
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RELEASE 1.20 VERSION OF THE ECGs “+” series and “s” series

Cardioline announces the release of the new **1.20 version** of the ECG100 and ECG200 “+” and “s” series .

The following performance improvements and problem solutions have been implemented in this updated version:

- The ECG signal sampling rate has been increased to 1000 Hz
 - Bandwidth has been increased to 0.05-300 Hz, that allows the new muscular filter at 150 Hz.
 - Sokolow-Lyon Index parameter, used to identify ventricular hypertrophy conditions, has been added to printed ECG measurements. Measurements now are:
 - HR
 - Average RR (next to HR)
 - PR Interval
 - QRS duration
 - QT and QTc (Hodges formula) intervals
 - QTc Bazett interval (according to configuration)
 - QTc Fridericia interval (according to configuration)
 - max R[V5];[V6] and S[V1]
 - Sokolow-Lyon Index (i.e. the $|S[V1]| + \max(R[V5], R[V6])$)
 - P, R, T axis.
 - QRS detection in case of QRS of small amplitude has been improved.
 - The highlight color of the selected row in worklist and ECG archive tables has been changed to enhance the contrast (BPL feedback)
 - REF NUMBER of the device in the configuration print out has been added.
 - New setting to control whether lead fail leads should be displayed as square waves or as raw signal. Useful in case of patients with high impedance or poorly performing electrodes.
 - If an order received with a worklist contains the fields visitId and ReasonForStudy they are saved in the SCP file of the exam (even if not visible in the user interface).
 - Corrected PDF waveform rendering;
 - Issues related with SD card (i.e. device works correctly but doesn't save exams) have been resolved
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- The algorithm of interpretation has been improved (e.g. enhanced pacemaker analysis, fixed incorrect P Measurements with AFIB/AFLUTTER
- Issue causing devices to freeze when connected to the network has been resolved.
- Fixed the position of the Axis data on ECG200 automatic printout

To all distributors we suggest to update the devices when offering assistance intervention. Please contact us to request firmware update instructions.