DATA SHEET

SPACELABS HEALTHCARE

Sentinel 11.5

Cardiology Information Management System Model 98201

Sentinel 11.5 is a web-based Cardiology Information Management System which provides a paper-free environment for non-invasive Diagnostic Cardiology. Sentinel has been designed using the latest programming technology and is easy to install and to use.

Sentinel uses Microsoft SQL Server and provides security against unauthorized access to customer data. Scalable solutions are available ranging from single PC workstations to client-server installations sharing data between regional hospitals.

Sentinel contains technology licensed from the University of Glasgow to provide 12-Lead ECG interpretations.



Features

Features				
Primary features	 User friendly web browser interface. Interactive review of Resting, Rhythm and ABP data. Interactive review of Ambulatory ECG with optional Pathfinder SL or Lifescreen PRO analyzers. Electronic review, signing, printing and exporting of reports. Side-by-side comparison of ABP and Resting ECG. Convenient secure transfer of tests to and from remote Sentinel installations. Patient Centric workflows. Case (per visit) specific workflows. Manual creation of orders within Sentinel. HL7: Configurable ADT, OMG, ORM and ORU message support. DICOM: Worklist (order) input, encapsulated PDF and wave form output. Security: Audit trail, role-based security and patient access security. Optional off-line working mode. 			
Modalities:	 Ambulatory BP. 3/6/12/15/18-Lead ECG: Resting 3/6/12-Lead Rhythm ECG (when using CD12USB) Ambulatory ECG Stress Event Customer specified modalities 			
Additional Modalities supported via GDT	 Spirometry Ergospirometry Body-plethysmography Custom 			
Interfaces	3/6/12/15/18-Lead ECG Ambulatory BP	CD12USB (PC-ECG, 3/6/12-Lead ECG and Windows 7 only) CardioExpress (Resting ECG only) SL3 (connection via usb stick only), SL6, SL6A, SL12, SL12A, SL18A OnTrak (90227), 90207, 90217A		
	Ambulatory ECG	evo, Lifecard CF, Lifecard 12, Eclipse PRO and Eclipse MINI		
	3rd party ECG carts	DatamedFT		
	GDT	Slave and Master		
	DICOM	Encapsulated PDF for all modalities. Waveform and encapsulated PDF for Resting ECG		
	HL7	Note: HL7 and DICOM are not supported for simultaneous use		

Sentinel 11.5

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Security	Mindows authoritization	Audit trail feature				
Security options	 Windows authentication Sentinel authentication Active Directory (incl. LDAPS) 	 Audit trail feature Option of no PHI on ABP & Ambulatory ECG Recorders 				
	 Single sign on 	Encrypted server data				
	HTTPS support	Password strength enforced				
	Configurable role-based security with 43	Password history enforced				
	configurable permissions	Lockout on password fails				
	Patient record level security	Inactivity logout				
	 Recordings, Analyses and Reports held on 	View current logins				
	Sentinel server					
Structure						
Flexible	Single stand-alone system to enterprise wide network solution.					
	Expandable structure to allow installations to expand and grow.					
Configurability	Staff member roles	Custom test types				
	 Search result columns and filters 	Custom data fields				
	Report formats	Admin notification to users				
	 Data entry validation 	Multiple organizations				
	Data entry visibility	Multiple facilities				
	Web site color and logo image	HL7 DICOM field mapping and transformation				
	Automated activities (incl. print on sign)					
Connect and Licensing						
Connectivity	• HL7 (incl. ADT19)	HTTP / HTTPS				
	LDAP / LDAPS (multi domain/forest)	• GDT				
	• DICOM	SCI-Store				
	HearTwave II	DataMedFT				
	Mortara Q-Stress reports	Philips Stress VUE reports				
Licensing	Multi-feature licensing, activate features via licensing model such as for instance: ABP, Ambulatory ECG, Resting, Rhythm, Stress, ECG interpretation (Glasgow algorithm), DICOM, HL7 ADT messages, HL7 orders. Dongleless Licencing available on Sentinel Windows Server hosted systems.					
Import / Export: Import / Export patient and test data in the following formats, refer to the Operations Manual for a complete list.	ABP formats: ABP, PB0, ART, RPT, G (import only), MON (import only) Resting formats: SCP, FDA / XML, third-party ECG carts (via DatamedFT) All modalities: SNTL, RSNTL, DCM, PDF report					
Mobile devices	• iPad					
	• iPhone					
	Android	Mobile devices only support reviewing and electronically signing				
	Microsoft Surface 3	PDF reports				
System Requirements						
Operating Systems:	• 3.1 GHz Pentium IV Processor, (i5 Dual Core recommended / i7 best performance)					
The Sentinel software has been verified and validated	• 2 GB RAM (16GB for workstation or 32GB for server installations is required when sending / receiving recordings longer					
for installation and use on the	than 20 days via RDT) Minimum Display Posolution 1024x768					
following operating systems.	Minimum Display Resolution 1024x768.					
following operating systems.	• 500 GB HDD					
	Windows 7 SP1 Professional, Ultimate and Enterprise (64 bit)					
	Windows 10 Professional and Enterprise (64 bit)					
	Windows Server 2012 R2					
	 Windows Server 2016 & 2019 					

For current information about hardware requirements please contact your local Spacelabs Healthcare representative.

Standards

EN 60601-1:2006 / A1:2013

CE marked in accordance with the Medical Device Directive 93/42/EEC.





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