Surveyor Telemetry Central

A NEW PARADIGM IN 12-LEAD AND SpO₂ TELEMETRY MONITORING

PRODUCT FEATURES

- **12-lead Telemetry Monitoring**
  With the Mortara X12+™ and T12S™ transmitters, the Surveyor™ Telemetry Central System enables continuous 12-lead ECG monitoring and trending using the VERITAS™ ECG algorithm.

- **12-lead ECG On-Demand**
  Continuous 12-lead monitoring enables diagnostic 12-lead ECGs with measurements and interpretation printed and exported to an E-Scribe™ data management system automatically.

- **SpO₂ Monitoring**
  T12S integrates pulse oximetry technology that provides continuous SpO₂ transmission together with 12-lead ECG.

- **Full Disclosure Storage**
  Continuously monitored 12-lead ECG and plethysmographic waveform with T12S can be reviewed online or archived to DVD or network directory for full Holter analysis. Archived data can also be reviewed at a Surveyor Telemetry Central review station.

- **HL7 Interface for Hospital Information Systems Data Exchange**
  Implementation of HL7 data exchange is supported to allow demographics management from the HIS, and for the HIS to obtain trends, events, parameters, and monitoring status.
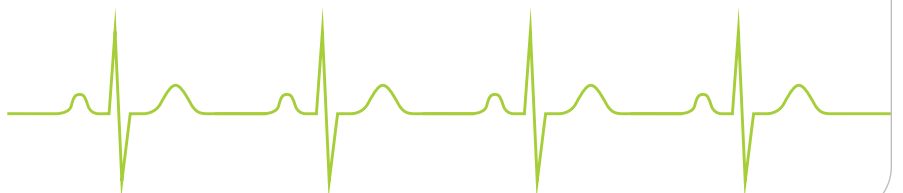
- **Workflow Manager**
  User-programmable workflow provides automatic reminders, 12-lead ECG printouts, and export of timed events.

Mortara

Mortara

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WARRANTY + SERVICE
Mortara Instrument is committed to the highest level of customer support. Please contact us for the program which will be best suited for your needs.

SURVEYOR™ TELEMETRY CENTRAL

FEATURE	SPECIFICATIONS*
INSTRUMENT TYPE	Telemetry Monitoring Central Station
CPU	Pentium class workstation
OPERATING SYSTEM	Microsoft® Windows™
MONITOR	19" LCD with 1280 x 1024 native resolution - single or dual display 24" LCD with 1920 x 1200 native resolution - single display
INPUT	Standard keyboard and mouse
ACQUISITION	Simultaneous 12-lead; 500 samples/second Continuous SpO_2 with T12S transmitter
RESOLUTION	2.5 µV
FREQUENCY RESPONSE	According to AAMI EC11 and EC13
ACQUIRED ECG LEADS	I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
WAVEFORMS PER PATIENT	Up to 12, plethysmographic waveform with T12S
STORAGE	Up to 300 patient days
OPTIONAL STORAGE SERVER	Up to 600 patient days
FULL DISCLOSURE ARCHIVE	Offline to DVD or network directory
STORED PARAMETERS	12-lead ECG and average complexes with ST segment analysis, heart rate, ectopic rate, R-on-T rate, couplet rate, pause rate, pacemaker failure rates, HR (QT), PR interval, QRS duration, QT interval, QTc Mortara, QTc Bazett, and QTc Fridericia and SpO_2 (with T12S)
TRENDS	Same as above
ALARMS	High HR, low HR, tachycardia, bradycardia, cardiac arrest, ventricular tachycardia, sustained ventricular tachycardia, ventricular fibrillation, ST segment change, extended arrhythmias (bigeminy, trigeminy, irregular rhythm, QRS morphology change, R-on-T, couplets, high ectopic rate, missing QRS and pacemaker failure), resting ECG QTc, SpO_2 (with T12S) and technical alarms such as lead fail, transmitter out of range, low battery, patient call from transmitter, impedance test, and noise
ALARM TYPES	Visual and audible; user-defined high, medium, low, and informational notification
NETWORK STANDARD	IEEE 802.3 Twisted Pair 100 Base T
NETWORK PROTOCOLS	TCP and UDP
SAFETY REGULATION COMPLIANCE	IEC 60950, IEC 60601-1-2, CE labeled according to 93/42 EEC directive and 99/5CE, ISO 9919 (with T12S)
CPU DIMENSIONS IN CM	W 17 x H 45 x D 46 (add 10 cm for cables)
CPU WEIGHT	16 kg (35 lbs)
POWER REQUIREMENTS	3 outlets needed; 110V or 220V, 300 W each (typical), excluding antenna network
ENVIRONMENTAL CONDITIONS	+10° to +35° C; 30% to 85% humidity w/o condensation 700 hPa to 1060 hPa pressure

*Specifications subject to change without notice.

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