



Vyaire SentrySuite

The software platform for Vyaire's Vyntus and MasterScreen respiratory diagnostic systems, offering guided PFT/CPET testing, automated workflows, and seamless EMR integration.

<https://www.vyaire.com>

Overview

Vyaire SentrySuite is the comprehensive software platform that powers Vyaire's Vyntus and MasterScreen diagnostic systems, specializing in Pulmonary Function Testing (PFT) and Cardiopulmonary Exercise Testing (CPET). The platform is designed to streamline clinical workflows and optimize lab operations by providing a consistent, intuitive user interface across different devices, guiding operators and patients to achieve high-quality, repeatable test results with built-in support for the latest ATS/ERS 2019 guidelines.

SentrySuite provides automated workflow processes, including customizable worklists for both technicians and physicians, and a powerful physician's review tool with batch mode for efficient interpretation and reporting. Connectivity is a core strength, featuring SentryConnect for seamless EMR/HIS integration using industry-standard protocols like HL7, DICOM, and GDT.

The software supports a central SQL server-based database for high scalability, connecting all lab devices (mobile and stationary) to a single system for real-time data synchronization. The platform includes a web-based component, SentrySuite Mobile Review, which allows physicians to access, interpret, and electronically sign reports remotely from a web browser on Windows or tablet devices. For enhanced diagnostics, SentrySuite integrates with AI software like ArtiQ.PFT for automated PFT interpretation and disease probability prediction.

Security is paramount, with enterprise-grade cybersecurity features including SSL/TLS encryption, Single Sign-On (SSO), Active Directory linking via LDAP, stringent access controls, and a Log File Viewer for audit trails, ensuring the protection of sensitive patient information and compliance with medical industry cybersecurity requirements.

Key Features

- Pulmonary Function Testing (PFT) & CPET Support
- Guided Testing & Real-Time Quality Control (ATS/ERS 2019)
- Automated Workflow Processes (Worklists & Batch Review)
- Seamless EMR/HIS Integration (HL7, DICOM, GDT)
- Web-based Mobile Review for Remote Interpretation
- AI-powered PFT Interpretation (via ArtiQ.PFT)
- Central SQL Server Database for Scalability
- Enterprise-Grade Cybersecurity (SSO, LDAP, Encryption)
- Electronic Signature & Customized Reporting

Pricing

Model: enterprise

Enterprise licensing based on specific modules (e.g., Network Basic, Workflow Premium, Test License) and is typically tied to Vyair's diagnostic hardware. Individual license components are high-cost.

Starting at: USD \$2550

Target Company Size: medium, enterprise

Integrations

Hospital Information Systems (HIS), Electronic Medical Records (EMR), Active Directory (LDAP), ArtiQ.PFT (AI Interpretation), Blood Gas Analyzers, Microsoft Excel®

Compliance & Certifications

FDA 21 CFR Part 11, Medical Devices Directive 93/42/EEC (Class IIa), HIPAA (Implied by PHI/EMR handling), ATS/ERS 2019 Spirometry guidelines

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