
ABB MEASUREMENT & ANALYTICS

FTSW100 Process software

Enabling monitoring and control for
industrial process environments



FTSW100 Process software

Enabling monitoring and control for industrial process environments

01 FTSW100 software interface

The FTSW100 process software is used to measure process sample streams using analytical data extracted from ABB FT-IR and FT-NIR spectrometers. Designed for implementation of analytical methods and control sequences, FTSW100 is a complete software solution for spectrometer-based process monitoring and control.

24/7 unattended operation

Autonomous operation used in continuous mode with sequential acquisition of data, analysis, and reporting.

Intuitive user display

Comprehensive console interface for display of status, concentrations and trending, I/O status, history, and reporting.

Analysis for FT-IR and FT-NIR spectral data

Automated analysis of chemical properties within a process sample stream supporting various chemometric algorithms such as peak height/area, Horizon®, PLSplus, PLSplusIQ®, Simca™, and Unscrambler™ predictors.

Security configuration

Enabling CFR 21 part 11 compliance.

Data management

Full database management for configuration and measurement results.

Communication interfaces

Configurable and flexible interface with external I/O devices to send or receive digital and analog data supporting a variety of protocols such as OPC, ModBus RTU (slave), ModBus TCP (client and server), CanOpen.

Utilities for extended data handling

Intelligent tools for data export, reporting and archiving.

Monitor health of analyzer or process

Extensive diagnostics to monitor status for process stream and analyzer.

Custom configuration

Configurable settings for structured sequences allowing specific customization.

Functionalities

FTSW100 offers a distinct and extensive set of functionalities required to meet analytical process needs ranging the simplest to the most complex.



01

Acknowledgments

Horizon is registered trademark of DNV GL.
PLSplusIQ is a registered trademark of ABB.
Simca is a trademark of KD Wave Limited.
Unscrambler is a trademark of CAMO Software AS.

FTSW100 Process software

Dedicated to process

FTSW100 Simple interface

At the operator level, the FTSW100 is an exceptionally easy-to-use and graphically-oriented package and, at the application configuration level, it is very intuitive and user-friendly to make setting up online FT-IR and FT-NIR analyzer systems as simple as possible.

FTSW100 Benefit to process

FTSW100 process software combines to provide significant savings for cost of ownership when installing ABB FT-IR and FT-NIR equipment into process environments.

FTSW100 Simple and secure

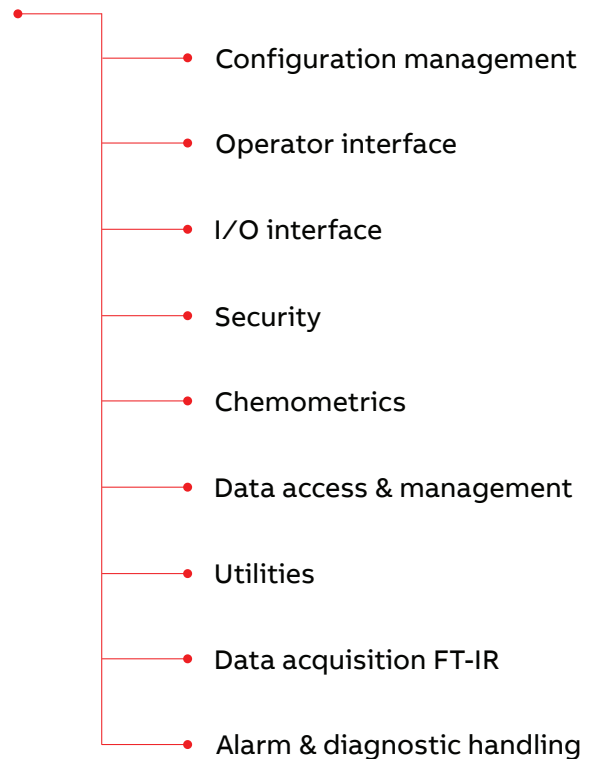
The reality of manufacturing plants is that a small team is responsible for a multitude of different equipment. ABB designed the FTSW100 user interface to be fast and easy to use. The use of a large color coded status display allows an operator to know at a glance whether the system is operating normally or not.

The complexity of FT-IR and FT-NIR technology is completely hidden, allowing operators to get their job done rather than worrying about running and/or understanding an analyzer. The built-in multilevel security manager provides password protection to all functions and provides different access levels for each operator.

Integration to process

FTSW100 can control all aspects of integration into process environments and is designed to run unattended 24/7. For example, FTSW100 does not require expensive DCS programming or separate PLC solutions for sample preparation and manipulation. FTSW100 supports industry standard communication links like ModBus (with fully user-configurable addresses) and OPC to control systems.

FTSW100



ABB, Inc.

Measurement & Analytics

3400, rue Pierre-Ardouin
Québec (Québec) G1P 0B2
Canada

Tel: +1 418-877-2944 (worldwide)

1 800 858-3847 (North America)

Email: ftir@ca.abb.com

abb.com/analytical

