## **Field Support Documentation**



**FB3000 RTU** 

FB1100 Flow Computer

FB1200 Flow Computer

FB2100 Flow Computer

FB2200 Flow Computer

FBxEdge™ Platform

ControlWave® Micro

ControlWave PAC

**ControlWave Redundancy** 

DL8000 Preset

ROC800/ROC800L

FloBoss™ 107

FloBoss S600+



## FB3000 Remote Terminal Unit

## Visit product webpage

Before you get started:

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**Quick Start Guide** 



# OPERATIONS, MAINTENANCE, & TROUBLESHOOTING

- FB3000 RTU Instruction Manual
- Emerson FBxRemote I/O™ Quick Start Guide
- FB3000 RTU CPU Module (3CPU16, 310CPU) Field Installation Guide
- FB3000 RTU Personality Module (3CPU16)
   Field Installation Guide
- FB3000 RTU 12-channel Mixed I/O Module (3MIX12) Field Installation Guide
- FB3000 RTU 8-channel Output Module (3AODO8, OTSG8, OUT09) Field
   Installation Guide
- FB3000 RTU HART® I/O Module Field Installation Guide

- FB3000 RTU Power Supply Module (3PWBLK) and Chassis (3CH08A, 3CH04A)
   Field Installation Guide
- FB3000 RTU Coin Cell Battery
   Field Installation Guide
- FB3000 RTU Covers
   (3TCV8, 3CRD8, 3SCVR, & 3ECRV)

   Field Installation Guide
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual
- FB3000 RTU 4-port Serial Communications Module Field Installation Guide

### **APPLICATIONS**

FBxStation Control™ Application User
 Manual

### **VIDEOS**

- Tech Tip: Licensing FB3000 RTUs Online in FBxConnect™
- Tech Tip: Licensing FB3000 RTUs in the Field without Internet Access
- Quick Tutorial of the Five IEC-61131
   Programming Languages
- Adding an FB3000 RTU in AUTOSOL Communication Manager® (ACM)
- Cloning an FB3000 RTU in AUTOSOL Communication Manager® (ACM)
- Configuring Control in FB3000 RTU with PID Loops, Math Blocks, Action Blocks & Effects in FBxConnect
- Achieving Tank Level Monitoring with FB3000 RTU Using Intuitive Tank Control App

- Introducing FBxDesigner™: A Flexible Tool for Creating Custom Control Schemes in the FB3000
- Introducing the FB3000 RTU: Agile,
   Scalable Automation for Large Wellpads
- Tech Tip: Changing the Home Screen in FBxConnect™
- Tech Tip: Creating a Configuration
   Comparison Report in FBxConnect™
- Tech Tip: Customizing History in FB Automation Platform Devices
- <u>Tech Tip: Setting Up a Metering Station to</u>
   <u>Measure Pure Gases using FBxConnect</u>
- Tech Tip: Using the Copy Tag Name
   Feature in FBxConnect
- Enhancing Measurement Uncertainty for Natural & Pure Gases per New AGA 8
   2017 Part 2/GERG 08

- Optimizing Large Wellpads with the FB Series Measurement & Control Platform
- Streamlining API Compliance for Crude Oil Fiscal and Allocation Measurement
- Standardizing Measurement & Control Operations with Agile FB Automation Platform
- Tech Tip: Using Field Tools' Bulk Editing
   .csv Import & Export Ability with Modbus
- Tech Tip: Setting Up an Action Block and Effect in FBxConnect™
- Tech Tip: Setting Up an Alarm Using the Intuitive Alarm Templates in FBxConnect™
- Tech Tip: Setting Up an Analog Output (AO) to Easily Represent a Value with FBxConnect™

- Tech Tip: Setting Up a Gas
   Chromatograph with Auto Configure in FBxConnect™
- Tech Tip: Setting Up an Odorizer or Sampler Output

## **CONFIGURATION SOFTWARE**

- FBxConnect™ Configuration Software
   User Manual (for FB3000)
- FBxDesigner™ Quick Start Guide
- Emerson Customer Portal (ECP) Quick
   Start Guide

- <u>FBxConnect Configuration Software</u>
   <u>Webpage</u>
- Contact Us Webpage



## FB1100 Flow Computer

## Visit product webpage

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**Quick Start Guide** 



# OPERATIONS, MAINTENANCE, & TROUBLESHOOTING

- FB1100/FB1200 Flow Computer Battery
   Field Replacement Guide
- FB1100/FB1200 Flow Computer Coin Cell Battery Field Replacement Guide
- FB1100/FB1200 Flow Computer 6W Solar
   Panel Field Replacement Guide
- FB1100/FB1200 Flow Computer CPU Module Field Replacement Guide
- FB1100/FB1200 Flow Computer End Cap Field Replacement Guide
- FB1100/FB1200 Flow Computer HMI Module Field Replacement Guide
- FB1100/FB1200 Flow Computer
   Termination Board Field Replacement
   Guide
- FB1100/FB1200 Flow Computer Sensor Assembly Field Replacement Guide

- FB1100 Flow Computer Safe Use <u>Instructions</u>
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual

## **VIDEOS**

- Tech Tip: Changing the Home Screen in FBxConnect™
- Tech Tip: Creating a Configuration
   Comparison Report in FBxConnect™
- Tech Tip: Customizing History in FB Automation Platform Devices
- Tech Tip: Setting Up a Metering Station to Measure Pure Gases using FBxConnect
- <u>Tech Tip: Using the Copy Tag Name</u>
   <u>Feature in FBxConnect</u>
- Enhancing Measurement Uncertainty for Natural & Pure Gases per New AGA 8
   2017 Part 2/GERG 08

- Optimizing Large Wellpads with the FB Series Measurement & Control Platform
- Streamlining API Compliance for Crude Oil Fiscal and Allocation Measurement
- Streamlining 3-Phase Separation with a Single FB Series Flow Computer
- Introducing Crude Oil Calculations in FB Series Flow Computers
- Standardizing Measurement & Control Operations with Agile FB Automation Platform
- Modernizing Measurement Operation with Next-Gen FB Series Flow Computers
- Optimizing Gas & Liquid Measurement
   Operations with FB Series Flow
   Computers
- Tech Tip: Using Field Tools' Bulk Editing
   .csv Import & Export Ability with Modbus
- Tech Tip: Setting Up an Action Block and Effect in FBxConnect™

- Tech Tip: Setting Up an Alarm Using the Intuitive Alarm Templates in FBxConnect™
- Tech Tip: Setting Up an Analog Output
   (AO) to Easily Represent a Value with
   FBxConnect™
- Tech Tip: Setting Up a Gas
   Chromatograph with Auto Configure in FBxConnect™
- Tech Tip: Setting Up an Odorizer or Sampler Output
- How to Quickly Set Up Emerson's FB Series Flow Computers with FBxConnect™
- Emerson's FBxConnect Configuration
   Software
- Emerson's FB1000 and FB2000 Series
   Flow Computers

## **CONFIGURATION SOFTWARE**

FBxConnect™ Configuration Software
 User Manual (for the FB1000 and FB2000
 Series Flow Computers)

- <u>FBxConnect Configuration Software</u>
   <u>Webpage</u>
- Contact Us Webpage



## FB1200 Flow Computer

## Visit product webpage

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**Quick Start Guide** 



# OPERATIONS, MAINTENANCE, & TROUBLESHOOTING

- FB1100/FB1200 Flow Computer Battery
   Field Replacement Guide
- FB1100/FB1200 Flow Computer Coin Cell Battery Field Replacement Guide
- FB1100/FB1200 Flow Computer 6W Solar
   Panel Field Replacement Guide
- FB1100/FB1200 Flow Computer CPU Module Field Replacement Guide
- FB1100/FB1200 Flow Computer End Cap Field Replacement Guide
- FB1100/FB1200 Flow Computer HMI Module Field Replacement Guide
- FB1100/FB1200 Flow Computer
   Termination Board Field Replacement
   Guide
- FB1100/FB1200 Flow Computer Sensor Assembly Field Replacement Guide

- FB1200 Flow Computer Safe Use <u>Instructions</u>
- <u>Site Considerations for Equipment</u>
   <u>Installation, Grounding, and Wiring</u>
   <u>Manual</u>

## **VIDEOS**

- Tech Tip: Changing the Home Screen in FBxConnect™
- Tech Tip: Creating a Configuration
   Comparison Report in FBxConnect™
- Tech Tip: Customizing History in FB Automation Platform Devices
- <u>Tech Tip: Setting Up a Metering Station to</u>
   <u>Measure Pure Gases using FBxConnect</u>
- <u>Tech Tip: Using the Copy Tag Name</u>
   <u>Feature in FBxConnect</u>
- Enhancing Measurement Uncertainty for Natural & Pure Gases per New AGA 8
   2017 Part 2/GERG 08

- Optimizing Large Wellpads with the FB Series Measurement & Control Platform
- Streamlining API Compliance for Crude Oil Fiscal and Allocation Measurement
- Streamlining 3-Phase Separation with a Single FB Series Flow Computer
- Introducing Crude Oil Calculations in FB Series Flow Computers
- Standardizing Measurement & Control Operations with Agile FB Automation
   Platform
- Modernizing Measurement Operation with Next-Gen FB Series Flow Computers
- Optimizing Gas & Liquid Measurement
   Operations with FB Series Flow
   Computers
- Tech Tip: Using Field Tools' Bulk Editing
   .csv Import & Export Ability with Modbus
- Tech Tip: Setting Up an Action Block and Effect in FBxConnect™

- Tech Tip: Setting Up an Alarm Using the <u>Intuitive Alarm Templates in</u> <u>FBxConnect™</u>
- Tech Tip: Setting Up an Analog Output
   (AO) to Easily Represent a Value with
   FBxConnect™
- Tech Tip: Setting Up a Gas
   Chromatograph with Auto Configure in FBxConnect™
- Tech Tip: Setting Up an Odorizer or Sampler Output
- How to Quickly Set Up Emerson's FB Series Flow Computers with FBxConnect™
- Emerson's FBxConnect Configuration
   Software
- Emerson's FB1000 and FB2000 Series
   Flow Computers

## **CONFIGURATION SOFTWARE**

FBxConnect™ Configuration Software
 User Manual (for the FB1000 and FB2000
 Series Flow Computers)

- <u>FBxConnect Configuration Software</u>
   <u>Webpage</u>
- Contact Us Webpage



## FB2100 Flow Computer

## Visit product webpage

Before you get started:

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**Quick Start Guide** 



# OPERATIONS, MAINTENANCE, & TROUBLESHOOTING

- FB2100 Flow Computer Instruction Manual
- FB2100/FB2200 Flow Computer CPU and Electronics Field Replacement Guide
- FB2100/FB2200 Flow Computer Battery
   Field Replacement Guide
- FB2100/FB2200 Flow Computer Coin Cell Battery Field Replacement Guide
- FB2100/FB2200 Flow Computer Door Accessories Field Replacement Guide
- FB2100/FB2200 Flow Computer I/O Termination Board Field Replacement Guide
- FB2100/FB2200 Flow Computer Relay
   Field Replacement Guide
- FB2100/FB2200 Flow Computer HMI Module Field Replacement Guide

- FB2100/FB2200 Flow Computer Internal Solar Regulator Field Replacement Guide
- FB2100/FB2200 Flow Computer Sensor
   Assembly Field Replacement Guide
- <u>FB2100 Flow Computer</u>
   <u>Safe Use Instructions</u>
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual

## **VIDEOS**

- Tech Tip: Changing the Home Screen in FBxConnect™
- Tech Tip: Creating a Configuration Comparison Report in FBxConnect™
- Tech Tip: Customizing History in FB Automation Platform Devices
- Tech Tip: Setting Up a Metering Station to Measure Pure Gases using FBxConnect

- Tech Tip: Using the Copy Tag Name
   Feature in FBxConnect
- Enhancing Measurement Uncertainty for Natural & Pure Gases per New AGA 8
   2017 Part 2/GERG 08
- Optimizing Large Wellpads with the FB Series Measurement & Control Platform
- <u>Streamlining API Compliance for Crude</u>
   Oil Fiscal and Allocation Measurement
- Streamlining 3-Phase Separation with a Single FB Series Flow Computer
- Introducing Crude Oil Calculations in FB Series Flow Computers
- Standardizing Measurement & Control Operations with Agile FB Automation Platform
- Modernizing Measurement Operation with Next-Gen FB Series Flow Computers

- Optimizing Gas & Liquid Measurement
   Operations with FB Series Flow
   Computers
- Tech Tip: Using Field Tools' Bulk Editing
   .csv Import & Export Ability with Modbus
- Tech Tip: Setting Up an Action Block and Effect in FBxConnect™
- Tech Tip: Setting Up an Alarm Using the Intuitive Alarm Templates in FBxConnect™
- Tech Tip: Setting Up an Analog Output (AO) to Easily Represent a Value with FBxConnect™
- Tech Tip: Setting Up a Gas
   Chromatograph with Auto Configure in FBxConnect™
- <u>Tech Tip: Setting Up an Odorizer or Sampler Output</u>
- How to Quickly Set Up Emerson's FB Series Flow Computers with FBxConnect™

- Emerson's FBxConnect Configuration
   Software
- Emerson's FB1000 and FB2000 Series
   Flow Computers

#### CONFIGURATION SOFTWARE

FBxConnect™ Configuration Software
 User Manual (for the FB1000 and FB2000
 Series Flow Computers)

- FBxConnect Configuration Software Webpage
- Contact Us Webpage



## FB2200 Flow Computer

#### Visit product webpage

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**Quick Start Guide** 



# OPERATIONS, MAINTENANCE, & TROUBLESHOOTING

- FB2100/FB2200 Flow Computer CPU and Electronics Field Replacement Guide
- FB2100/FB2200 Flow Computer Coin Cell Battery Field Replacement Guide
- FB2100/FB2200 Flow Computer Door Accessories Field Replacement Guide
- FB2100/FB2200 Flow Computer I/O Termination Board Field Replacement Guide
- FB2100/FB2200 Flow Computer Relay
   Field Replacement Guide
- FB2100/FB2200 Flow Computer HMI Module Field Replacement Guide
- FB2100/FB2200 Flow Computer Internal Solar Regulator Field Replacement Guide
- FB2100/FB2200 Flow Computer Sensor Assembly Field Replacement Guide

- FB2200 Flow Computer Safe Use <u>Instructions</u>
- <u>Site Considerations for Equipment</u>
   <u>Installation, Grounding, and Wiring</u>
   <u>Manual</u>

## **VIDEOS**

- Tech Tip: Changing the Home Screen in FBxConnect™
- Tech Tip: Creating a Configuration
   Comparison Report in FBxConnect™
- Tech Tip: Customizing History in FB Automation Platform Devices
- <u>Tech Tip: Setting Up a Metering Station to</u>
   <u>Measure Pure Gases using FBxConnect</u>
- Tech Tip: Using the Copy Tag Name
   Feature in FBxConnect
- Enhancing Measurement Uncertainty for Natural & Pure Gases per New AGA 8
   2017 Part 2/GERG 08

- Optimizing Large Wellpads with the FB Series Measurement & Control Platform
- Streamlining API Compliance for Crude Oil Fiscal and Allocation Measurement
- Streamlining 3-Phase Separation with a Single FB Series Flow Computer
- Introducing Crude Oil Calculations in FB Series Flow Computers
- Standardizing Measurement & Control Operations with Agile FB Automation
   Platform
- Modernizing Measurement Operation with Next-Gen FB Series Flow Computers
- Optimizing Gas & Liquid Measurement
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- Tech Tip: Using Field Tools' Bulk Editing
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- Tech Tip: Setting Up an Alarm Using the Intuitive Alarm Templates in FBxConnect™
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   (AO) to Easily Represent a Value with
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- Tech Tip: Setting Up a Gas
   Chromatograph with Auto Configure in FBxConnect™
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- How to Quickly Set Up Emerson's FB Series Flow Computers with FBxConnect™
- Emerson's FBxConnect Configuration
   Software
- Emerson's FB1000 and FB2000 Series
   Flow Computers

## **CONFIGURATION SOFTWARE**

FBxConnect™ Configuration Software
 User Manual (for the FB1000 and FB2000
 Series Flow Computers)

- <u>FBxConnect Configuration Software</u>
   <u>Webpage</u>
- Contact Us Webpage



## FBxEdge™ Platform

## Visit product webpage

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FBxEdge User Guide



FBxEdge Manager User Guide

## **APPLICATIONS**

 FBxEdge Fleet Monitor Application User Guide

- FBxEdge Platform Webpage
- Contact Us Webpage



## ControlWave® Micro

## Visit product webpage

Before you get started:

To avoid personal injury or property damage, it is important to carefully read, understand, and follow all contents of the Quick Setup Guide and related product documentation linked below, including all safety cautions and warnings.



Quick Setup Guide



- Field Removal/Replacement of ControlWave-series Boot Flash ics
- ControlWave HART Device Interface (HDI)
   Instruction Manual
- ControlWave Loop Power Supply (for ControlWave Micro, EFM, GFC, ExpressPAC)
- ControlWave Micro Display/Keypad Instruction Manual
- ControlWave Micro Safe Use Instructions
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual

#### **CONFIGURATION SOFTWARE**

ControlWave Station Manager
 Configuration Manual

- ControlWave Micro Webpage
- Contact Us Webpage



### ControlWave® PAC

#### Visit product webpage

Before you get started:

To avoid personal injury or property damage, it is important to carefully read, understand, and follow all contents of the Quick Setup Guide and related product documentation linked below, including all safety cautions and warnings.



**Quick Setup Guide** 



- ControlWave HART Device Interface (HDI)
   Instruction Manual
- Field Removal/Replacement of ControlWave-series Boot Flash ics
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual

- ControlWave PAC Webpage
- Contact Us Webpage



### ControlWave® Redundant Control Systems (CPU & I/O)

Visit product webpage

Before you get started:

To avoid personal injury or property damage, it is important to carefully read, understand, and follow all contents of the Setup Guide and related product documentation linked below, including all safety cautions and warnings.



Setup Guide



- Field Removal/Replacement of ControlWave-series Boot Flash ics
- ControlWave Redundant I/O and Communications Switch Unit
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual

- ControlWave Redundant Controller Webpage
- Contact Us Webpage



#### **DL8000 Preset Controller**

#### Visit product webpage

Before you get started:

To avoid personal injury or property damage, it is important to carefully read, understand, and follow all contents of the Instruction Manual and related product documentation linked below, including all safety cautions and warnings.



- DL8000 Preset Controller
   Safe Use Instructions
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual

#### **CONFIGURATION SOFTWARE**

 ROCLINK 800 Configuration Software User Manual (for DL8000)

- ROCLINK 800 Configuration Software Webpage
- Contact Us Webpage



### ROC800/ROC800L

#### Visit product webpage

Before you get started:

To avoid personal injury or property damage, it is important to carefully read, understand, and follow all contents of the Instruction Manual and related product documentation linked below, including all safety cautions and warnings.



<u>Instruction Manual</u>

- DS800 Development Suite Quick Start Guide for the ROC800 Series
- ROC Keypad Display Program User Manual
- ROC800-Series Remote Operations
   Controller Safe Use Instructions
- Site Considerations for Equipment Installation, Grounding, and Wiring Manual

#### **CONFIGURATION SOFTWARE**

- ROCLINK 800 Configuration Software User Manual (for ROC800-Series)
- ROCLINK 800 Configuration Software User Manual (for ROC800L)
- DS800 Development Suite Software User
   Manual

- ROCLINK 800 Configuration Software Webpage
- Contact Us Webpage



### FloBoss<sup>™</sup> 107 Flow Computer

#### Visit product webpage

Before you get started:

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<u>Instruction Manual</u>

 Site Considerations for Equipment Installation, Grounding, and Wiring Manual

#### CONFIGURATION SOFTWARE

 ROCLINK 800 Configuration Software User Manual (for FloBoss 107)

- ROCLINK 800 Configuration Software Webpage
- Contact Us Webpage



### FloBoss<sup>™</sup> S600+ Flow Computer

#### Visit product webpage

Before you get started:

To avoid personal injury or property damage, it is important to carefully read, understand, and follow all contents of the Instruction Manual and related product documentation linked below, including all safety cautions and warnings.



FloBoss S600+ Field Upgrade Guide

#### **CONFIGURATION SOFTWARE**

Config600® Configuration Software User
 Manual

- Config600 Configuration Software Webpage
- Contact Us Webpage