

# Acrison®

## **Acri-Data®** **Supervisory Software** **For Acrison Feeders**



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*Advanced design technologies for superior  
performance, quality and reliability.*

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# Acri-Data<sup>®</sup> Supervisory Software

## General

Acri-Data is a multi-language supervisory and control program for Acriston weigh feeders providing users with the ability to access and modify set points, calibration entries and other functions within Acriston feeder controllers. Acri-Data is also able to operate controllers individually, or in a ratio/proportioning or master/slave configuration. Recipe functions are also supported.

Acri-Data interfaces with up to 20 controllers using wired serial or network communications, or wireless, using a variety of available options including Bluetooth\*, and Wi-Fi\*. Acri-Data can be supplied for operation on a standard Microsoft Windows PC, or as an embedded GUI as the primary user interface of a complete system controller.

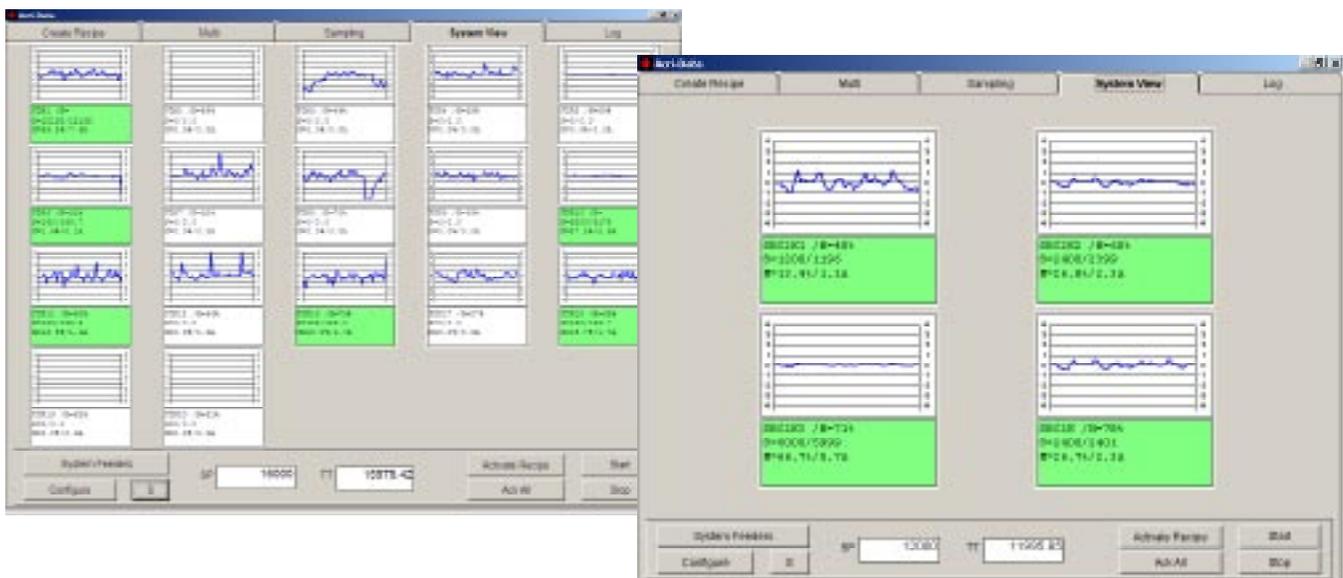
In addition to providing set point access to controllers, Acri-Data's screen-oriented operation provides graphical displays of feeder and/or feeder system status, individual graphs of feeder performance, trending, automatic sampling, an alarm/event log, as well as other maintenance related features. These and other features are described below.

## System View Screen Functions

The user-designed System View Screen is the primary display screen, providing a view of all feeder controllers in a system. It is from this screen that the user has the ability to:

- Define a feeder system
- Create/save/load unlimited system recipes
- Enter an overall feed rate set point
- View overall total feed rate
- Run/stop the feeder system
- View a system summary
- Access other system and controller functions

Icons provide important feeder data such as set point, feed rate, motor speed and current, as well as color-coded blocks indicating alarm/message status. Off-line controllers appear with a red "X". From this screen, the user may access the Sampling Screen and the Alarm/Event Log.



Typical System View Screens

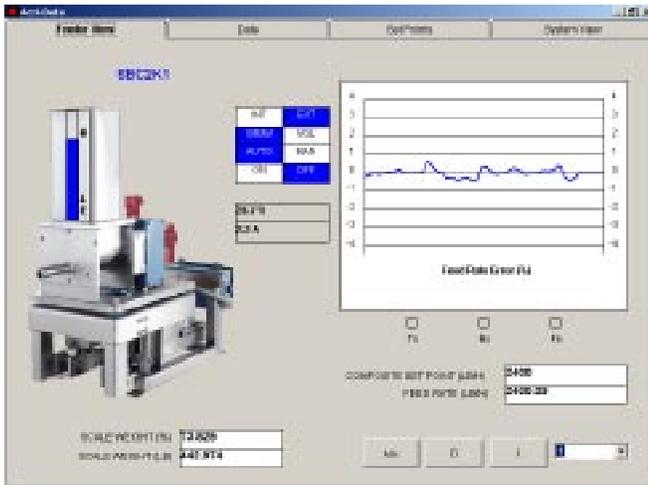


## Feeder View Screen

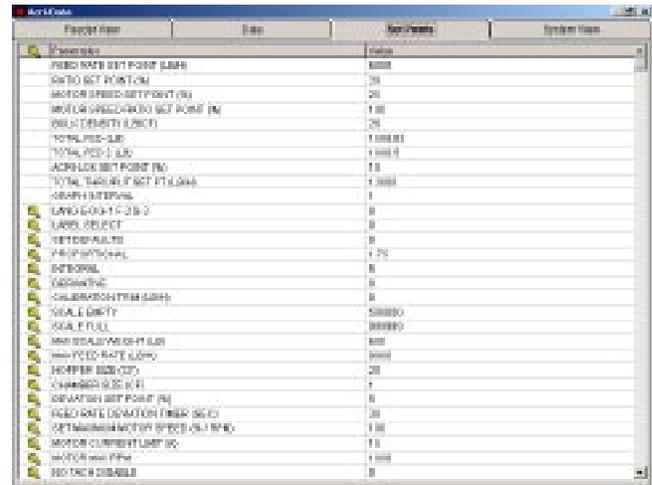
The Feeder View Screen is accessed by clicking on an icon on the System View Screen. This screen displays set points and functions associated with a single feeder controller, rather than a complete system. The screen provides a complete view of a feeder's status including operating modes, run/stop status, alarm and message indicators, motor speed and current, scale weight and hopper level (weight-loss feeders). The feeder can be started or stopped, modes can be changed and refill (weight-loss feeders) or rezero cycles (200 Series Feeders) can be initiated.

By clicking on the set points tab at the top of the Feeder View Screen, set points and password-protected "calibration" entries can be entered or changed. Acri-Data provides the ability to individually password-protect (lock) any of the operational data entries.

Data which changes over time, such as feed rate, scale weight (weight-loss feeders), etc., is viewable from the Data Screen Tab.



Typical Feeder View Screen



Typical Set Points Screen

## Automatic System Shutdown

Acri-Data provides a standard system shutdown feature permitting the user to specify certain events which must stop all feeders. Individual delays may be associated with each event.

## Summary Screen

This screen provides a chart that lists the values of important parameters associated with each of the system feeders. In addition, totals are provided in the appropriate columns, such as for external gravimetric (percentage) set points. The chart can be printed and/or saved, and can be refreshed on demand.

No	Name	Set Point(s)	Comp. Set	Status	Total Feed	Std
01	PRODUCY1	10.000	100.000	100.000	8217.210	1
02	PRODUCY2	20.000	100.000	100.000	2114.800	1
03	PRODUCY3	20.000	100.000	100.000	2661.200	1
04	PRODUCY4	80.000	200.000	200.000	7020.700	1
05	0	0	0	0	0	0
06	0	0	0	0	0	0
07	0	0	0	0	0	0
08	0	0	0	0	0	0
09	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0
17	0	0	0	0	0	0
18	0	0	0	0	0	0
19	0	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
Line Totals		100.000	1000.000	1000.000	30999.510	

Summary Screen





## Password Protection

Up to 10 passwords may be defined in the Acri-Data Program. Three levels of access are provided as follows:

### MONITOR:

When Acri-Data is first started, or when a user logs off, it is in monitor mode. The operator may only view screens and cannot change any set points or activate any commands or functions.

### USER:

This mode requires a password to be entered and limits functions and access to those features, which an operator would typically require. System recipes, for example, may be loaded but cannot be created.

### SYSTEM:

This password-protected mode permits full access to all functions and features.

## Hardware Requirements

Acri-Data may be run on a Microsoft Windows based desktop, laptop, or wall-mounted PC. Acrison recommends the following minimum hardware for the best overall performance:

OS: MS Windows 98/98SE/ME/2000/XP

I/O: CD ROM Drive, 24X

Processor: Pentium class, 900 MHz minimum

Hard Drive Disk Space: 30 MB

Memory: RAM – 512 MB

Memory: Display – 32 MB

When Acri-Data is provided in an embedded system controller, it operates under Windows Embedded XP only.

## Optional Hardware

Acri-Data supports operation with an optional SBC-2000® System I/O Module. This module provides the following (N.O.) digital inputs and outputs:

### OUTPUTS:

system running  
blender on  
general alarm

### INPUTS:

remote run (run the system)  
blender zero speed (delayed)  
permissive run

Automatic shutdown of the feeders can be associated with blender operation and the permissive run contact.

## Other Considerations

- 1) For optimum performance when operating Acri-Data on a desktop, wall-mounted, or laptop PC, Acrison recommends that it be run as a dedicated application with no other applications running (other than networking functions, if required).
- 2) Acri-Data supports keyboard-less PCs (typically wall-mounted) by providing a selectable “virtual keyboard” function.
- 3) The Acri-Data Software and the Operator’s Manual are provided by Acrison on a single CD-ROM.
- 4) Acri-Data is licensed for installation on a single PC.

## Discover the difference!

We cordially invite you to witness a test in Acrison's state-of-the-art Customer Demonstration Facilities handling your actual product(s) with the specific equipment we recommend for the application. Usually, there is no cost or obligation for this service.

Discover the difference in technology, quality and performance of Acrison equipment.



### Acrison products...

- Models 101 and 130 Volumetric Feeders
- Models V101 and V130 Volumetric Feeders
- Model 1015 Volumetric Feeder Series
- Model 105 Volumetric Feeder Series
- Model W105 Volumetric Feeder Series
- Model 120 Volumetric Feeder
- Model 140 Volumetric Feeder Series
- Model 170 Volumetric Feeder Series
- Model 200 Series of Weigh Belt Feeders
- Model 203B Series of Weigh Auger Feeders
- Model 270 Series of In-Line Weigh Feeders
- Models 402 and 404 Series, A405 and 406 ("Weight-Loss-Differential") Weigh Feeders
- Model Series 403 ("Weight-Loss-Differential") Weigh Feeders
- Model 403B(D) Batch/Dump Weighing Systems
- Model 404BZ(BU) Bulk Bag Unloader Batch Weigher
- Models 350 and 301 Continuous Blenders and Blending Systems
- Multiple Auger Bin Dischargers and Multiple Auger Bin Discharger Hoppering Systems
- Multiple Auger Bin Discharger Feeders
- Vibratory Bin Dischargers
- Model 500 Series of Polyelectrolyte Metering and Wetting Systems
- Water and Waste Treatment Systems
- Volumetric and Gravimetric Feeder Controllers and Control Systems
- Accessory Equipment for Acrison Products

*"Visibly Different...Measurably Better"*

# Acrison®

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