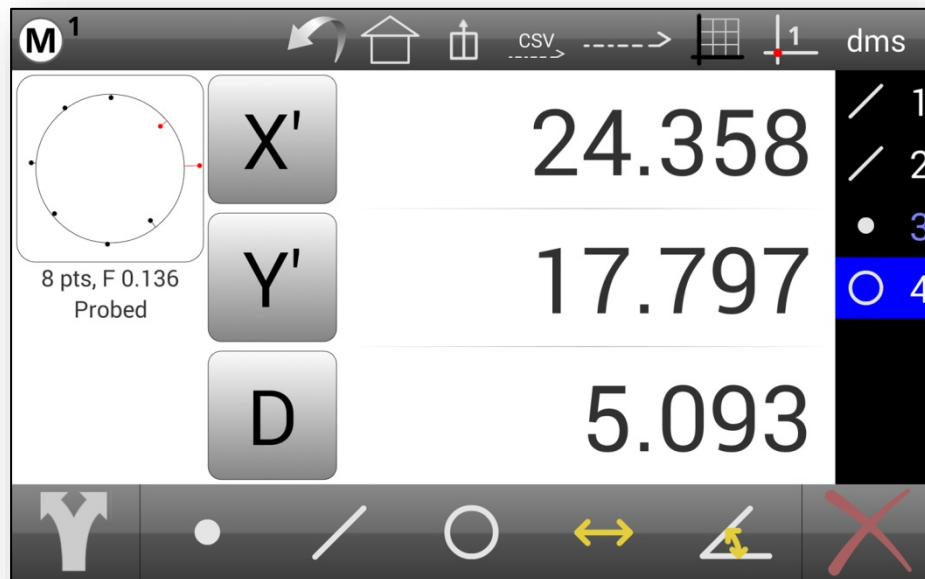




RS232 Port Setup and Data Export

User's Guide



RS232 Port Setup

The “RS232” settings screen contains setup parameters for configuring the serial port connection on the M1. The port parameters configured in the M1 setup screen should match that of the connected device(PC).

Note: A straight through(1 to 1) RS232 cable should be used when connecting the M1 to a PC. While a gender changer may be required for the connection, no null model adapter should be required.

RS232 Function	Description
Baud Rate	Configure Baud rate for connection. 110 through 115,200 can be chosen using the appropriate softkey.
Parity	Configure the correct parity mode for the connection. Even/Odd/No can be selected using the appropriate softkey.
Stop Bits	Configure the correct number of Stop Bits for the connection. 1 or 2 can be chosen using the appropriate softkey.
Send Labels	Specifies whether or not the coefficient label will be sent along with the value. Set to Yes or No using the appropriate softkey.
Send Units	Specifies whether or not the unit type for a given value is sent along with the value. Set to Yes or No using the appropriate softkey.
Send Eol(End of Line)	Configures the desired character to be sent at the end of an output line. CR(Carriage Return), Line Feed(LF) or CR & LF can be selected using the appropriate softkey. EOL can also be set to None.
Field Delimiter	Configures the desired field delimiter(separator) to Comma or Tab. Set to desired delimiter using the appropriate softkey.

1. Connect the M1 interface box to the RS232 port on the PC using a straight through(1:1) RS232 cable.
2. Execute M1 send commands to test communication between the M1 device and the receiving PC software(Section 1.3 below).

1 Exporting Data

Feature data can be:

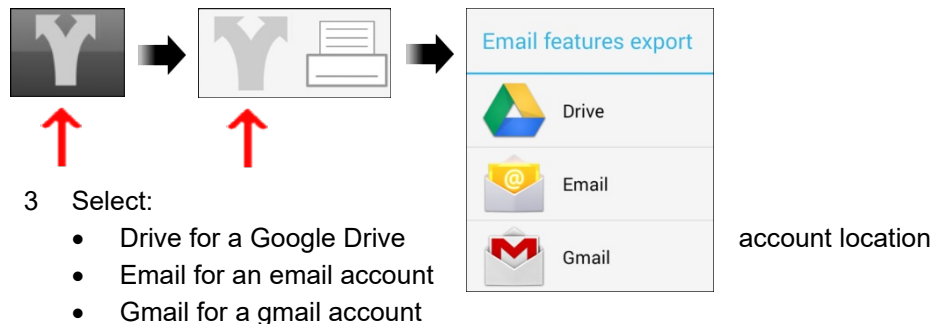
- Exported to email accounts or Google Drive account locations
- Printed
- Sent (transmitted) to RS232 devices

Exported, and printed data files include all feature data for features contained in the feature list. RS232 transmissions can include selected feature data or all feature data.

1.1 Exporting to Email or Google Drive Accounts

To export feature data:

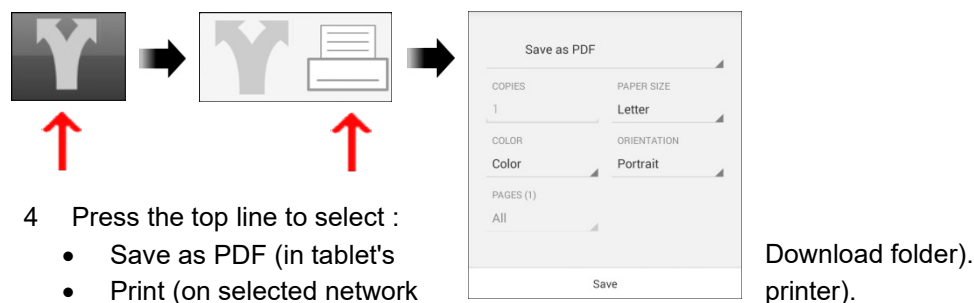
- 1 Press the Export button in the Measure toolbar or in the Extra menu.
- 2 Press the Export symbol in the Export menu.



1.2 Printing Feature Data

Feature data can be printed or saved as a pdf document. To print or save feature data:

- 1 Press the Export button in the Measure toolbar or in the Extra menu.
- 2 Press the Export symbol in the Export menu.
- 3 Press the Printer symbol to display the Print dialog.



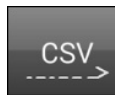
1.3 Sending (transmitting) RS232 Data

Measurement results for all features or for selected features can be transmitted to RS232 devices from RS232 enabled M1 systems.

1.3.1 Transmitting All Features

To send RS232 data for all features:

- 1 Press the Send All Features button in the



System toolbar. Data for all features will be variable (CSV) file.

1.3.2 Transmitting Selected

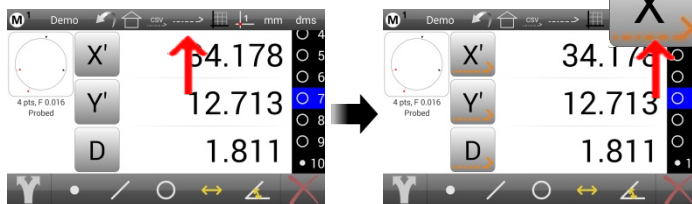
Features

To send RS232 data for selected features:

- 1 Select a feature in the Feature list.
- 2 Press the Send Selected Features



button in the System toolbar. The feature contain Send RS232 symbols.



- 3 Press individual coordinate or dimension buttons to send only the desired data.
- 4 The RS232 Send function will continue to be enabled until explicitly disabled, and will be retained if a different feature is measured or selected from the Feature list. Press the Send Selected feature button again in the System toolbar to disable the Send RS232 function.