MobileCollect Wireless
Measurement Collection System

Product Description

- MobileCollect wireless was designed to transmit measurements wirelessly from ***any*** gaging device with an SPC data port into ***any*** Windows software application

System Components

Required Items

- Base receiver
  - Connect one to each computer workstation
- Transmitter
  - Connect one to each gage
  - Multiple transmitters can link with a single receiver
- Gage Cable
  - Connects transmitter to gage device

Quick Facts

- MobileCollect wireless is compatible with all known SPC and statistical Windows programs
- All MobileCollect Base receiver models will accept data from all MobileCollect transmitter models
- Multiple MobileCollect wireless systems can be in close proximity without concern.
- Each transmitter is linked to a specific Base receiver.
  - Multiple transmitters can link to a single receiver.
  - Different transmitter models can link to the same receiver

Quick Facts (cont.)

- Each Mobile Module transmitter needs a gage cable to make the connection to the gage data port
  - Each gage cable is ordered as a separate item on order
  - The transmitter and gage cable combination is determined by the gage brand and model
- All Mobile Module transmitters have an integrated “send” button rated for 1 million presses
  - Used for gage cables that do not include a “send” button
- All MobileCollect transmissions are encrypted

Base receivers

- 3 models available
- USB Connection
  - USB Base
  - USB MicroBase
- Serial Connection
  - RS-232 Base
    - DB9 connector

Transmitters

- Mobile Modules
  - For handheld or mobile gages
- RS-232 Remote
  - For stationary gages with serial output

Gage Cables

- Gage to transmitter connection
- Wide selection of cables available
- Gage cables can be easily changed by the end user

Connected view Unconnected view

How to select the correct Base receiver

Which Base Receiver?

- Based on the computer
  - Desktop or Tower computer
    - USB or RS-232 Base receiver
  - Laptop or tablet computer
    - USB MicroBase receiver
  - All Base receivers offer the same 133 foot range

Stationary Data Collection

- Recommended Models
  - USB Base receiver
  - RS-232 Base receiver

- Both offer identical features
  - Decision based upon the preferred connection to computer – USB or RS-232 serial

Stationary Data Collection

- Both models include a 2.5mm input for a foot or hand switch
  - Used to send remote “read” request to a Command Mobile Module or RS-232 Remote transmitter
- 3 input switch versions are available for both models
  - call MicroRidge for more information

Mobile Data Collection

- USB MicroBase receiver
  - Designed for use with Windows laptop or tablet
    - USB connection only
    - No cable required
    - Size of USB memory stick
  - No external switch input

How to select the correct transmitter

Mobile Modules

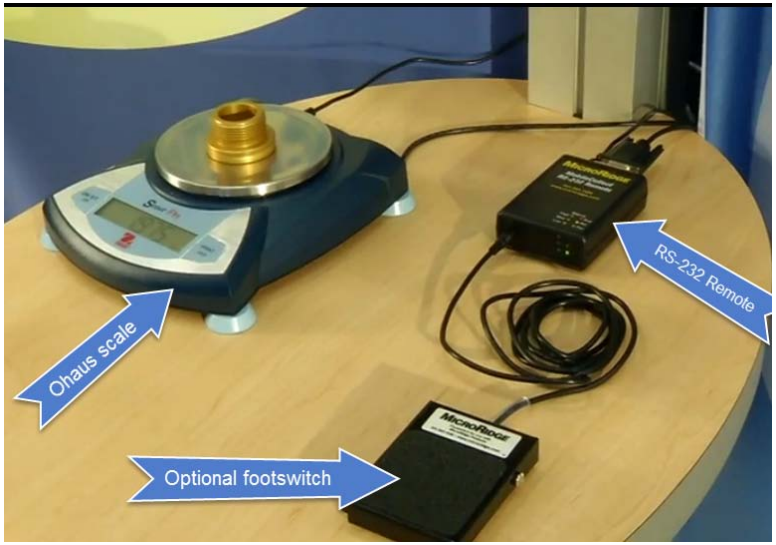
- For handheld and mobile gages
  - Examples: calipers & micrometers
- Three models available
  - Mini
  - Command
  - RS-232

Mobile Modules

- Features
  - Battery Powered
  - Read & Setup buttons
    - 1 million press rating
  - Compatible with gages from all major gage manufacturers
  - Transmitter gage cables sold separately
    - Attached before shipping

RS-232 Remote

- For stationary gages with serial output
  - Examples: scales & height gages
- Input for external foot or hand switch
- AC Powered



Mini Mobile Module

- Most popular transmitter
  - For digital output gages
  - 50% smaller than other Mobile Module transmitters
  - Compatible with 1000+ gages
  - Over 30 cable options
- Features include
  - Integrated “read” button
  - 133 foot range

Mini Mobile Module (cont)

- Unique Features
  - Smaller internal cable connector than other Mobile Modules
    - Not compatible with other Mobile Module models
  - Different battery than the other Mobile Modules
    - Mini: 2032 Coin Cell
    - Others: CR2 Photo Lithium

RS-232 Mobile Module

- For serial output gages
- Features include:
  - Integrated “read” button
  - 133 foot range
- Can also be used with stationary serial output devices
  - Alternative to RS-232 Remote transmitter

Command Mobile Module

- For digital output gages
  - Used for “remote” read situations
- Features include
  - Integrated “read” button
  - 133 foot range
  - Can accept external “read” commands issued by:
    - Foot or hand switch connected to Base
    - Software command

RS-232 Remote

- For stationary RS-232 serial output gages
  - AC powered
  - Gage Read Options
    - Send from gage device
    - External foot/hand switch
    - Software command
  - DB9 port connection
    - Serial cable included
  - 133 foot range

Transmitter Gage Cables

Why use Gage Cables?

- They provide the connection between the gage and Mobile Module transmitter
  - Cables are ordered separately from Mobile Module transmitters
    - Use the MobileCollect Selection Tool software to identify the proper cable for each gage
    - Cables are attached to Mobile Modules before shipment

How are they made?

- Starts as an SPC cable
  - Modified by MicroRidge
    - Cable is cut to proper length for gage type
    - Exposed end wired into the Mobile Module connecting block – 6, 12 or 14 pin
    - Gage SPC port end is not modified

Why have different lengths?

- Allows Mobile Module to be positioned properly on the gage
  - Standard lengths
    - 3.5” for calipers
    - 6.5” for indicators and micrometers
    - 9.0” for height gages
    - Custom lengths are available upon request

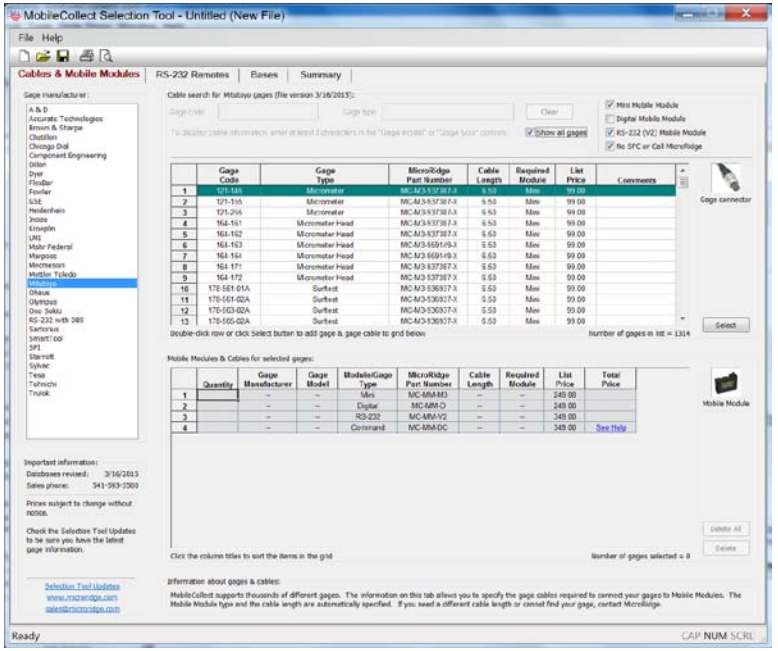
How to select the correct Mobile Module Gage Cable

Choosing the cable

- Based on the gage make and model
  - A cable may be unique to a single gage or compatible with multiple gages from the same or different manufacturers
  - Choosing the correct cable is crucial to the success of your wireless system
  - Contact MicroRidge with any questions

MobileCollect Selection Tool

- Free program to identify the proper gage cable
  - Select the manufacturer to see researched gages
  - Provides all needed cable information to place order
  - Updated as necessary
- Download from MicroRidge website
  - Located on the “Free & Trial Software” tab



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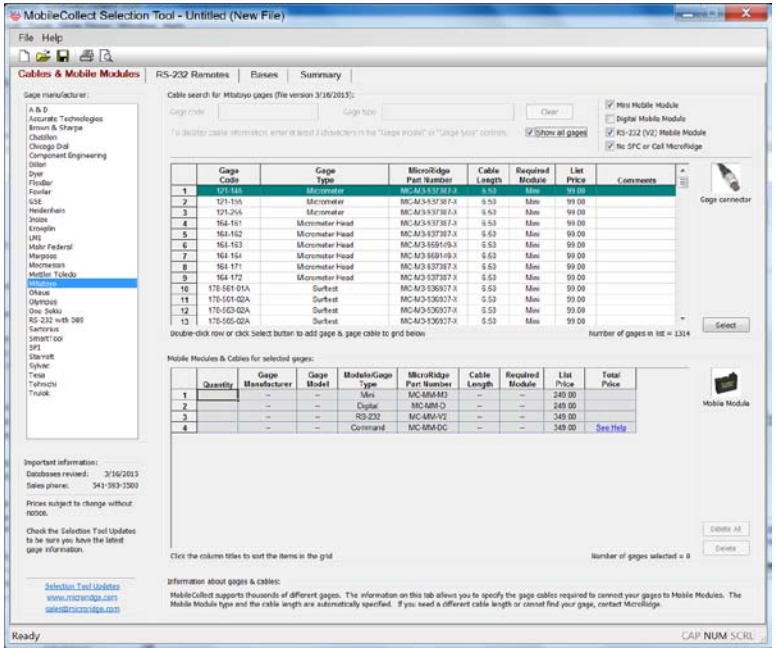
Measurement Collection Specialists
Connect Any Gage into Any Software

Selection Tool (cont.)

- Can’t find clients gage in the Selection Tool?
  - Simply means we’ve never researched that gage.
  - Solution – call MicroRidge for assistance
  - We do the research and add results to the next Selection Tool update



What else should I know?

- MobileCollect uses Zigbee technology
  - 2.4 GHz ISM (Industrial, Scientific, Medical)
  - Will not interfere with 2.4GHz WiFi systems
  - Not compatible with Bluetooth
- MobileCollect is designed and built in-house
  - We have complete control over the product's features and functionality
  - Can easily add new feature and make available to all customers via download

What else? (cont)

- MobileCollect offers user selectable channels
  - Can easily change from default channel to address any RF interference concerns
  - RF Sniffer program included to identify RF issues
- MobileCollect wireless is not compatible with USB output gages
  - USB requires drivers, these can't be loaded on transmitters – no Windows operating system

What else? (cont)

- Two Setup programs included with each MobileCollect system
  - Xpress Setup for basic installations
  - Extended Setup for more complex installations
- No service contracts
  - Resellers & End Users can call anytime for assistance
  - All calls are answered by a real human during business hours!

Conclusion

- The MobileCollect wireless system is the most flexible wireless system available today
  - We offer more receiver, transmitter and cable options to address a wide variety of situations
  - MobileCollect offers compatibility with more gages than any other wireless system provider
- For more information, contact your local MicroRidge reseller or visit www.microridge.com

MobileCollect links

- Videos & PDF's
  - http://www.microridge.com/videos_pdfs_mobilecollect.htm
- Product Overview
  - http://www.microridge.com/wl_mobilecollect.htm
- Specifications
  - http://www.microridge.com/wl_specifications.htm
- Selection Tool
  - http://www.microridge.com/wl_mc_select.htm
- Downloads
  - http://www.microridge.com/wl_downloads.htm

Contact MicroRidge

- Office Information
  - Hours: Monday – Friday, 8am to 4:30pm Pacific
- Sales Support
  - Kevin Kelly, Sales Director
  - Contact: 541-593-3500 or kevink@microridge.com
- Technical Support
  - Mike Martino, Tech Support / Production Manager
  - Contact: 541-593-1656 or mike@microridge.com