

GageWay WirelessTM

*Wireless Measurement Collection
for Digital Gages & RS-232 Devices*

Gage Connections

For Universal Mobile Module



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GageWay Wireless Gage Connections

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Introduction

The GageWay Wireless Universal Mobile Module supports a wide range of gages and serial devices. To connect these gages to the Universal Mobile Module requires a gage cable with a connector that matches the connector on the gage or serial device. This document provides a list of the cables and lengths available for use with the Universal Mobile Module. If you cannot find your required cable, please [contact MicroRidge](#) for assistance.



**Universal Mobile Module
With GWS-U-54-115-333-X Gage Cable**

To select the proper cable for a Universal Mobile Module, follow the steps outlined below:

1. Determine your gage manufacture
2. Determine the gage model or series number
3. Go to the appropriate manufacturer section in this document
4. Find your gage series in the table
5. Verify that the connector on your gage matches the picture in the table
6. Select the desired cable length from the [Cable Lengths](#) section
7. Record the MicroRidge part number and cable length

Cable Pricing

All prices in this document are in US dollars and subject to change without notice. Cable pricing is FOB Sunriver, Oregon.

Cable Lengths

The standard cable lengths for the Universal Mobile Module gage cables are shown in the table below. When the Mobile Module is attached to the back of a caliper, we recommend that you use a 3.5" cable. When the Mobile Module is attached to a smaller micrometer (0" to 1" up to 2" to 3" ranges), we recommend you use a 6" cable. When using the Mobile Module with a larger micrometer (3" to 4" range and larger), you may need to use a longer cable. When selecting a cable length, it is better to have that cable a little longer than what you need rather than having it too short.


Length	Typical Usage
3.5"	Most calipers
6"	Most micrometers & other gages
9"	Any gage
24"	Any gage

Most cables are available in lengths up to 6 feet. If you cannot find a cable that meets your length requirements, please [contact MicroRidge](#).

Brown & Sharpe

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Brown & Sharpe. Locate your gage model to identify the proper MicroRidge part number.


Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-54-115-333-X	Simplex Opto cable	Micrometer	166.00

Chicago Dial Indicator (CDI)

The following table lists the gage cables for connecting the Universal Mobile Module to gages from CDI. Locate your gage model to identify the proper MicroRidge part number.


Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-CDI-LP-MIT-X	Digital indicator	Logic Plus	129.00

Fowler Gages

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Fowler. Locate your gage model to identify the proper MicroRidge part number.


Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-54-115-333-X	Simplex Opto Fowler/ Sylvac cable	Bowers Micrometer Digital Ultra-Height Gage Euro-Cal III Caliper Holematic Mark II Mark II Bore Gage MiniVertical Series II S_Cal Calipers Series 213 Indicators Sylvac calipers Sylvac gages with paddle Ultra-Cal IV Caliper Ultra-Digit Mark IV Ultra-Digit Mark V XT Holematic XT Holemikes	166.00

LMI Corporation

The following table lists the gage cables for connecting the Universal Mobile Module to gages from LMI. Locate your gage model to identify the proper MicroRidge part number.

Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-SK5149-X	LMI cable P/N: LMI6028	Diamondback digital indicator	99.00

Mahr Federal Gages

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Mahr Federal. Locate your gage model to identify the proper MicroRidge part number.

Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Connector Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-4102411-X	Cable with read button. When this cable is used with the Universal Mobile module, you must use the read button on the Mobile Module.	1075 Indicator 1080 Mercator 1081 Mercator 1086 Drop indicator 1087 Drop indicator 30EXN Height gage 40EWS 40EWW 814S Height gage XXEX Calipers XXEX Depth gage XXEX Micrometer XXEX Mike head	144.00
	GWS-U-FED-MICRO-X	This is a 7-pin male connector.	Dimetron 2095389 uDimensionair 300P Snap gage EDI-36B-XX ID/OD Gage (uMaxum) EDI-550P-XX Handle gage (uMaxum) EDI-57B-XX Thickness gage EDI-XXX0X Micro Maxum XLI-22P-20 Thickness gage XLI-XX Micro Maxum XL	120.00
	GWS-U-FED-MAX-X	This is a 6-pin male connector.	203311X Maxum III	110.00
	GWS-U-FED-MAX-E2-X	This is a 10-pin male connector.	203312X Maximum III DEI-XX1XX-E2 Maxum Plus Indicator	129.00
	GWS-U-FED-MAX-E3-X	This is a 3-pin female connector.	DEI-XX1XX-E3 Maximum Plus Indicator EMD-1500-XXX Pocket Surf	99.00

Mitutoyo Gages

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Mitutoyo. Locate your gage model to identify the proper MicroRidge part number.

Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Be sure that the gage you are trying to connect has a SPC output connector for the gage cable. Many of the Mitutoyo gages are available, are available with or without the SPC output connector.









Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-959149-X	Gage cable with read button. This is a non-coolant proof cable.	All Digimatic calipers with Absolute Encoders 570-2XX Height gages 571-2XX Depth gages 572-XXX Scale units	99.00
	GWS-U-905338-X	Gage cable without read button. This is a non-coolant proof cable.	192-6XX Height gages 192-67X Height gages 543-2XX Indicators 543-4XX Indicators 543-6XX Indicators 547-21X Depth gages 547-25X Depth gages 547-3XX Thickness gages 547-4XX Thickness gages 552-XXX Versa gage 570-2XX Height gages 571-2XX Depth gages 572-XXX Scale units: 575-XXX Indicators	99.00
	GWS-U-05CZA624-X	This is a coolant proof cable with a read button.	500-662 Caliper (coolant proof) 500-663 Caliper (coolant proof) 500-7XX Calipers (coolant proof)	145.00
	GWS-U-05CZA662-X	This is a coolant proof cable with a read button.	293-XXX Micrometers (coolant proof)	145.00
	GWS-U-936937-X	Gage cable without read button. This is a non-coolant proof cable.	179-207 MU-Gages 179-208 MU-Gages 179-7XX Digi Derm 318-202A Litematic 318-204A Litematic 518-314A Linear Height 518-315A Linear Height 519-4XX MU-Checkers 519-621A MU-Checkers 543-5XX Indicators 57X Heightmatic Hardness Tester (Micro Hardness Type)	99.00

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-937387-X	Gage cable without read button. This is a non-coolant proof cable.	121-XXX Mikematic, Quickmike 164-162 Micrometer Head 164-172 Micrometer Head 293-XXX Micrometers (non-coolant proof) 329-5XX Micrometer Head 329-71X Micrometer Head 350-71X Micrometer Head 468-2XX Holtest 468-9XX Holtest 543-11X Indicators 543-13X Indicators 543-14X Indicators 543-17X Indicators 543-18X Indicators 568-XXX Boremetrics	99.00
	GWS-U-MIT-10P-X	Standard 10-pin connector that accepts gage cable manufactured by Mitutoyo.	Any standard gage cable manufactured by Mitutoyo	99.00

Ono Sokki Gages

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Ono Sokki. Locate your gage model to identify the proper MicroRidge part number.


Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-AA-963B-X		EG-225 Digital indicator EG-225F Digital indicator DG-3610 English/Metric gauge display	99.00

Smarttool Technologies

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Smarttool Technologies. Locate your gage model to identify the proper MicroRidge part number.




Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-PRO3600-X	Digital protractor with serial interface. The maximum length cable available for this gage is 30".	PRO 3600	79.00

Starrett Gages

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Starrett. Locate your gage model to identify the proper MicroRidge part number.


Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-54-115-333-X	Simplex Opto cable	781 AccuBore 782 Micrometer 797B Caliper	166.00
	GWS-U-CDI-LP-MIT-X	This gage is manufactured by CDI	2700 Indicator	129.00
	GWS-U-PT22938-X	This is a 4-pin female connector. Used with gages that have a TTL level RS-232 output. These tend to be older model gages	2600 Indicator 721 Caliper 733 Micrometer 737 Linear scale 749BZ Depth gage 751 Height gage 752 Height gage 752A Height gage 753 Height gage 755 Height gage 756 Micrometer 762 Micrometer 769 Micrometer 773 Machine scale 777 Micrometer 786P Micrometer 790 Micrometer	151.00

Tohnichi Gages

The following table lists the gage cables for connecting the Universal Mobile Module to gages from Tohnichi. Locate your gage model to identify the proper MicroRidge part number.




Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-HR212-8P-X	This is an 8-pin male connector. Use with torque wrenches that use manufacturer's cable part number HR212-10P-8P	Torque wrench	110.00

RS-232 Gages with DB-9 Connectors

The following table lists the gage cables for connecting the Universal Mobile Module to gages that use a DB9 connector and have standard RS-232 output signals. You will need to refer to the documentation provided with your gage/serial device to determine how the serial port has been wired.

Next determine the desired cable length. Refer to the table of standard length cables in the [Introduction section](#). If you cannot find the length that meets your requirements, please [contact MicroRidge](#).

Photo	MicroRidge Part Number	Description	Gage Series	Price
	GWS-U-DB9-M-X	DB-9 Male DSub connector configured like PC serial port. Pins connected are TxD, RxD and Gnd.		79.00
	GWS-U-DB9-M-CUST	DB-9 Male DSub connector with custom pinouts. You must supply a wiring diagram for gage/serial device.		139.00
	GWS-U-DB9-F-CUST	DB-9 Female DSub connector with custom pinouts. You must supply a wiring diagram for gage/serial device.		139.00

Contact Information



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