








# Measurement Data Management




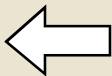
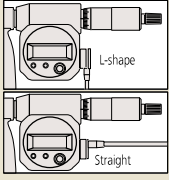
Convenient data collection tool and quality control software

## Digimatic Data Cable Selector (including USB Input Tool Direct)

<b>1) USB Input Tool Direct USB-ITN</b> 	Connector type		<b>A)</b> Water-proof type with output button	<b>B)</b> Water-proof type with output button	<b>C)</b> Straight type with output button	<b>CR)</b> L type with output switch (cable outlet is right)
	Model No. Order No.		<b>USB-ITN-A 06AFM380A</b>	<b>USB-ITN-B 06AFM380B</b>	<b>USB-ITN-C 06AFM380C</b>	No applicable models <b>USB-ITN-C</b> is available Refer to the following figure.
<b>2) IT-016U/IT-007R/DP-1VA LOGGER/MUX-10F/EC Counter</b> 	Connector type		<b>A)</b> Water-proof type with output button	<b>B)</b> Water-proof type with output button	<b>C)</b> Straight type with output button	<b>CR)</b> L type with output switch (cable outlet is right)
	Order No.	1 m	<b>05CZA624</b>	<b>05CZA662</b>	<b>959149</b>	<b>04AZB512</b>
		2 m	<b>05CZA625</b>	<b>05CZA663</b>	<b>959150</b>	<b>04AZB513</b>
Connector (11 types, A to G) Type D on the other end for all models						
<b>3) U-WAVE-T</b> 	Connector type		<b>A)</b> Water-proof type with output button	<b>B)</b> Water-proof type with output button	<b>C)</b> Straight type with output button	<b>CR)</b> L type with output switch (cable outlet is right)
	Standard		<b>02AZD790A</b>	<b>02AZD790B</b>	<b>02AZD790C</b>	No applicable models Type C connectors are available, but take care of the cable when using thimbles Refer to the following figure.
	For foot switch		<b>02AZE140A</b>	<b>02AZE140B</b>	<b>02AZE140C</b>	

Select a cable (A to G) whose gage connector fits the Digimatic port on your gage (check the red dotted frame in the above pictures).








<b>Gage connectors on data cable</b>  The connector dimensions are given on page A-29.	Connector type	<b>A)</b> Water-proof type with output button	<b>B)</b> Water-proof type with output button	<b>C)</b> Straight type with output button	<b>CR)</b> L type with output switch (cable outlet is right)
	Picture of gage connector				
	Data switch	Available	Available	Available	Available

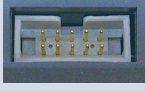


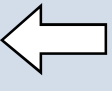
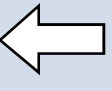
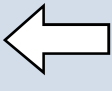

<b>Digimatic ports on gage</b>  Please note that some high-precision Digimatic gages are capable of displaying the measurement result to more than 6 digits. However, according to the Digimatic output specification, the result may be output in 6 digits only.  Digimatic gages whose display may exceed 6 digits • Laser Scan Micrometers • Litematic • Linear gage counter (EH)	Picture of Digimatic port				
	Applicable models	<ul style="list-style-type: none"> <li>• Digimatic caliper 500-776 / 500-777, etc. 500-712-20 / 500-713-20, etc. 500-712 etc.</li> <li>• 550-301-10 / 550-331-10, etc. 551-301-10 / 551-331-10, etc. 552-302-10 / 552-303-10, etc. 552-150-10 / 552-151-10, etc. 552-155-10 / 552-156-10, etc. 552-181-10 / 552-182-10, etc.</li> <li>• Digimatic special application caliper 573-601 / 573-602, etc.</li> <li>• Digimatic depth gage 571-251-10 / 571-252-10, etc.</li> <li>• Digimatic scale unit 572-600, 572-601, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Digimatic micrometer 293-140-30 / 293-141-30, etc. 293-230-30 etc. 340-251-30 / 340-252-30 293-666-20 / 293-667-20, etc. 227-201-20 / 227-203-20, etc. 227-205-20 / 227-206-20, etc. 227-221-20 etc. 227-223-20 etc.</li> <li>• Dedicated micrometers for Digimatic 422-230-30 / 422-231-30, etc. 406-250-30 / 406-251-30, etc. 343-250-30 / 343-251-30, etc. 369-250-30 / 369-251-30, etc. 345-250-30 / 345-251-30, etc. 314-251-30 / 314-252-30, etc.</li> <li>• Digimatic micrometer head 350-251-30 / 350-261-30, etc.</li> <li>• Digimatic holtest 468-161 / 468-162, etc.</li> <li>• Digimatic depth gage 329-250-30 / 329-251-30, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Digimatic caliper 500-150-30 / 500-151-30, etc. 500-500-10 / 500-501-10, etc. 500-443 etc.</li> <li>• Digimatic special application caliper 573-118-10 / 573-119-10, etc. 573-116-10 / 573-117-10, etc. 573-191-30 / 573-291-30 573-181-30 / 573-182-30, etc.</li> <li>• Digimatic depth gage 571-201-30 / 571-202-30, etc.</li> <li>• Digimatic micrometer head 164-163 / 164-164</li> <li>• Digimatic scale unit 572-203-10 / 572-213-10 572-300-10 / 572-301-10, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Digimatic micrometer 293-582 / 293-583, etc. 389-514 / 389-714</li> </ul>  <p>Type C straight connectors are available, but may interfere with thimble operation.</p>

<b>D)</b> Flat 10-pin type	<b>E)</b> Round 6-pin type	<b>F)</b> Flat straight type	<b>FB)</b> Flat L-shape (cable outlet is back)	<b>FR)</b> Flat L-shape (cable outlet is right)	<b>FL)</b> Flat L-shape (cable outlet is left)	<b>G)</b> Flat straight water-proof type
<b>USB-ITN-D</b> <b>06AFM380D</b>	<b>USB-ITN-E</b> <b>06AFM380E</b>	<b>USB-ITN-F</b> <b>06AFM380F</b>	No applicable models <b>USB-ITN-F</b> is available.			<b>USB-ITN-G</b> <b>06AFM380G</b>
<b>D)</b> Flat 10-pin type	<b>E)</b> Round 6-pin type	<b>F)</b> Flat straight type	<b>FB)</b> Flat L-shape (cable outlet is back)	<b>FR)</b> Flat L-shape (cable outlet is right)	<b>FL)</b> Flat L-shape (cable outlet is left)	<b>G)</b> Flat straight water-proof type
<b>936937</b>	<b>937387</b>	<b>905338</b>	<b>905689</b>	<b>905691</b>	<b>905693</b>	<b>21EAA194</b>
<b>965014</b>	<b>965013</b>	<b>905409</b>	<b>905690</b>	<b>905692</b>	<b>905694</b>	<b>21EAA190</b>
<b>D)</b> Flat 10-pin type	<b>E)</b> Round 6-pin type	<b>F)</b> Flat straight type	<b>FB)</b> Flat L-shape (cable outlet is back)	<b>FR)</b> Flat L-shape (cable outlet is right)	<b>FL)</b> Flat L-shape (cable outlet is left)	<b>G)</b> Flat straight water-proof type
<b>02AZD790D</b>	<b>02AZD790E</b>	<b>02AZD790F</b>	No applicable models Use <b>02AZD790F</b> or <b>02AZD140F</b> .			<b>02AZD790G</b>
<b>02AZE140D</b>	<b>02AZE140E</b>	<b>02AZE140F</b>				<b>02AZE140G</b>



Note 1: **ID-F, EB, EC-101D, ID-U, ID-SS, ID-SX** are required to use with the **USB-ITN**.  
 Note 2: **USB-ITN, IT-016U,** and **U-WAVE** cannot be used with **EF/EH, VL-50-B/50S-B,** and **SJ-500/SV-2100**.

<b>D)</b> Flat 10-pin type	<b>E)</b> Round 6-pin type	<b>F)</b> Flat straight type	<b>FB)</b> Flat L-shape (cable outlet is back)	<b>FR)</b> Flat L-shape (cable outlet is right)	<b>FL)</b> Flat L-shape (cable outlet is left)	<b>G)</b> Flat straight water-proof type
						
N/A	N/A	N/A	N/A	N/A	N/A	N/A

						
<ul style="list-style-type: none"> <li>• Digimatic indicator <b>ID-H</b></li> <li><b>ID-F</b> (Note 1)</li> <li>• High-precision height gage <b>QM-Height</b></li> <li>• Mu-checker <b>Digital Mu-checker</b> (using a foot switch)</li> <li>• Laser scan micrometer <b>LSM-9506</b></li> <li>• Linear gage counter <b>EF/EH</b> (Note 2)</li> <li><b>EB</b> (Note 1), <b>EC-101D</b> (Note 1)</li> <li>• Litematic <b>VL-50-B/50S-B</b> (Note 2)</li> <li>• Contour measuring system <b>SJ-210/310/410</b></li> <li><b>SJ-500/SV-2100</b> (Note 2)</li> <li>• Hardness testing machines <b>HM-210/220</b></li> <li><b>HV-110/120</b></li> </ul>	<ul style="list-style-type: none"> <li>• Hardness testing machines <b>HM-100</b></li> <li><b>HM-200</b></li> <li><b>HV-100</b></li> <li><b>HR-300/400/500</b></li> <li><b>HH-411</b></li> </ul>	<ul style="list-style-type: none"> <li>• Digimatic indicator <b>ID-CX, ID-C (Peak-Value Hold Type), ID-C (Calculation type), ID-C (Bore Gage Type), ID-U</b> (Note 1), <b>ID-SS</b> (Note 1), <b>ID-SX</b> (Note 1)</li> <li>• Digimatic height gage <b>192-663-10/192-613-10/570-322/570-227</b>, etc. (Flat L-shape, cable outlet is right)</li> <li>• ABS borematic <b>568-361/568-362</b>, etc.</li> <li>• Scale unit <b>572-460/572-560/572-480-10/572-580-10</b>, etc.</li> <li>• Digimatic bore gage <b>511-501/511-502</b>, etc.</li> <li>• Hardness testing machines <b>HH-300</b></li> <li>• Digimatic depth gage <b>Digimatic type (ID-CX)</b></li> </ul>				<ul style="list-style-type: none"> <li>• Digimatic indicator <b>ID-N</b></li> <li><b>ID-B</b></li> </ul>

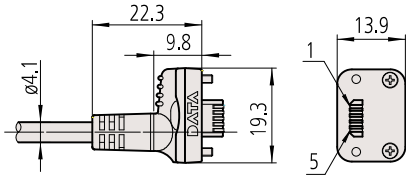
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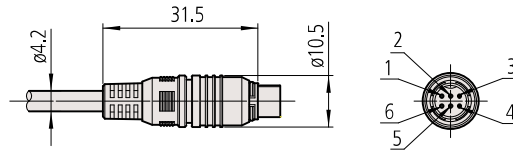
## Digimatic data cable specifications (Dimensions)

### Gage connector dimensions (Unit: mm)

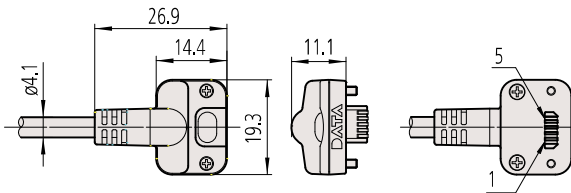
- A)** 1) 06AFM380A 2) 05CZA624 (1 m)  
05CZA625 (2 m) 3) 02AZD790A (Standard)  
02AZE140A (FSW)



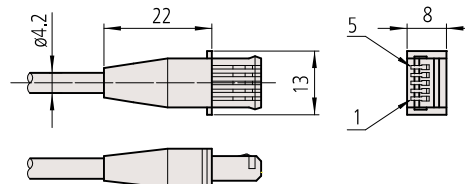
- E)** 1) 06AFM380E 2) 937387 (1 m)  
965013 (2 m) 3) 02AZD790E (Standard)  
02AZE140E (FSW)



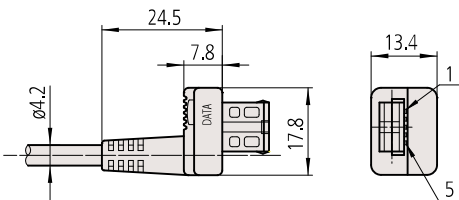
- B)** 1) 06AFM380B 2) 05CZA662 (1 m)  
05CZA663 (2 m) 3) 02AZD790B (Standard)  
02AZE140B (FSW)



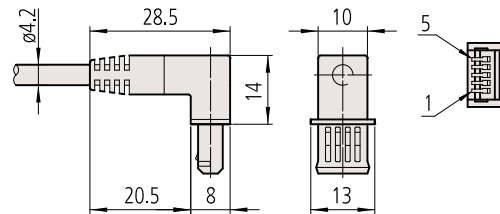
- F)** 1) 06AFM380F 2) 905338 (1 m)  
905409 (2 m) 3) 02AZD790F (Standard)  
02AZE140F (FSW)



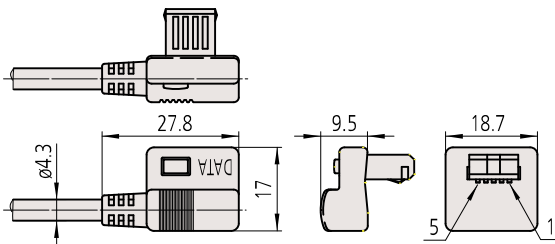
- C)** 1) 06AFM380C 2) 959149 (1 m)  
959150 (2 m) 3) 02AZD790C (Standard)  
02AZE140C (FSW)



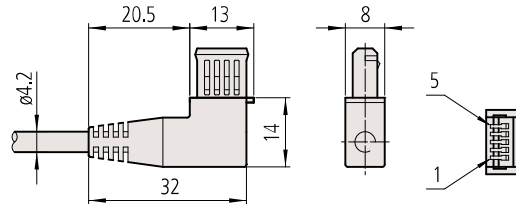
- FB)** 1) No applicable models 2) 905689 (1 m)  
905690 (2 m) 3) No applicable models



- CR)** 1) No applicable models 2) 04AZB512 (1 m)  
04AZB513 (2 m) 3) No applicable models

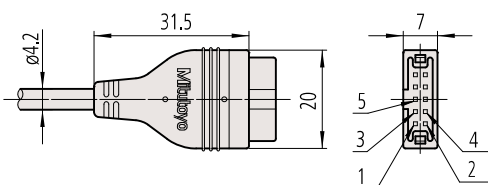


- FR)** 1) No applicable models 2) 905691 (1 m)  
905692 (2 m) 3) No applicable models



FL) and FR) is symmetrical and the same size.

- D)** 1) 06AFM380D 2) 936937 (1 m)  
965014 (2 m) 3) 02AZD790D (Standard)  
02AZE140D (FSW)



- G)** 1) 06AFM380G 2) 21EAA194 (1 m)  
21EAA190 (2 m) 3) 02AZD790G (Standard)  
02AZE140G (FSW)

