

Cables/Printer

Cables expand the functionality of digital force gauges and test stands. We also provide a printer.



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The Cables to Connect a Force Gauge to an External Devices

<b>RS232C cable</b> Connects a PC to a force gauge, enabling to record the measurement and transmit command signals from the PC to the gauge.	<b>CB-208</b>  Length: Approx. 3m	<b>CB-208</b>  Length: Approx. 3m	<b>CB-208</b>  Length: Approx. 3m	<b>CB-203 (9P)*1</b>  Length: Approx. 3m	<b>CB-203 (9P)*1</b>  Length: Approx. 3m	Contact us.
<b>Digimatic cable</b> Connects Mitutoyo Digimatic Mini Processor (a portable printer) to a force gauge for printing the measurement.	<b>CB-308</b>  Length: Approx. 3m	<b>CB-308</b>  Length: Approx. 3m	<b>CB-308</b>  Length: Approx. 3m			Contact us.
<b>Analog cable</b> Connects analog devices such as a pen recorder to a force gauge, enabling to record force transition. ※CB-118 works for “-AN” option.	<b>CB-108</b>  Length: Approx. 3m	<b>CB-108</b>  Length: Approx. 3m	<b>CB-108</b>  Length: Approx. 3m			Contact us.
<b>Open End cable</b> Connects a force gauge to a special device.	<b>CB-908</b>  Length: Approx. 3m	<b>CB-908</b>  Length: Approx. 3m	<b>CB-908</b>  Length: Approx. 3m			Contact us.
<b>External Contact Point cable</b> Enables to measure external contact points.	<b>CB-808</b>  Length: Approx. 3m	<b>CB-808</b>  Length: Approx. 3m	<b>CB-808</b>  Length: Approx. 3m			Contact us.

The Cables to Connect a Force Gauge/an Amplifier to a Test Stand

<b>Force Control cable</b> ※2 Connects a test stand (MX/MH) to a force gauge/an amplifier, activating motion control by set force values and an overload-preventing function.	<b>CB-508</b>  Length: Approx. 1.5m	<b>CB-508</b>  Length: Approx. 1.5m	<b>CB-508</b>  Length: Approx. 1.5m			
<b>Force Control cable</b> ※2 Connects a test stand (MX2/MH2/EMX) to a force gauge/an amplifier, activating motion control by set force values and an overload-preventing function.	<b>CB-518</b>  Length: Approx. 1.5m	<b>CB-518</b>  Length: Approx. 1.5m	<b>CB-518</b>  Length: Approx. 1.5m			
<b>Displacement cable (MX2-FA/MH2-FA connecting) ※3</b> Allows displacement output by connecting a force gauge/an amplifier to a test stand equipping a linear scale (MX2-FA/MH2-FA).	<b>CB-718</b>  Length: Approx. 1.5m		<b>CB-718</b>  Length: Approx. 1.5m			
<b>Displacement cable (EMX-FA connecting) ※3</b> Allows displacement output by connecting a test stand equipping a linear scale (EMX-FA) to a force gauge/an amplifier.	<b>CB-728</b>  Length: Approx. 1.5m		<b>CB-728</b>  Length: Approx. 1.5m			

The Cable to Connect a Test Stand to an External Device

<b>External Signals I/O Cable</b> Connects a test stand (MX2-CN/MH2-CN/EMX), activating the external control.	<b>CB-706</b>  Length: Approx. 1.5m
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※1 CB-201 (25P male) and CN-202 (25P female) are also available.  
※2 Please refer to “ZT series Advanced Measurement Examples” on Page 13  
(A test stand stops when a force gauge senses force beyond its capacity (overload-preventing function) however, it cannot prevent overload completely. We do not guarantee the complete overload-prevention.)  
※3 It also activates motion control by set force values and an overload-preventing function.  
※4 We offer customization including the length extension, connector’s change in shape, and more.

Printer DP-1VR

(Mitutoyo Digimatic Mini Processor)



It enables to print Maximum/Minimum/Average standard deviation values.  
To print, a digimatic cable is required.

Compatible models  
ZTA/ZTS/eZT/HTGS/HTGA/DTXS/DTXA

The Cables for Past Models

If you need a cable for past-model force gauges/torque gauges, please refer to the right list. If your model is not mentioned in the list, please contact us.

	ZP,Z2 series	HTG2,DTX2 series	DS2 series
Analog cable	CB-104	CB-104	CB-101
RS-232C cable	CB-204	CB-204	CB-203
Digimatic cable	CB-304	CB-304	CB-301
Force Control cable	CB-501 (Connect with MX series)		

Examples of Cable Applications

with Digital Force Gauge ZT series

- It enables you to
  - detect abnormalities using a buzzer / light / your equipment together. (Using the functions of comparator and overload output)
  - record the force value of contact point in a switch tactile test or broken point in a cable strength test. (Using the function of the external contact point output)
  - show the point at the moment contact point of switch feeling test or a broken point of cable strength test on a graph using software (Force Recorder Standard/Professional). (Using the mark point function)
  - control an external device when the force gauge senses a set point. (Using sub-comparator function; Available only in ZTA/eZT series)



with Motorized Test Stand MX2(MH2) series (Option-CN version)

- It enables you to
  - Operate externally from a foot switch and the like.
  - Improve equipment safety with an interlock mechanism.
  - Link wire conduction and test stand activities.

Built-in Linear Scale Unit

You can connect this linear scale to ZTA(P11) series/eZT(P16) series to measure force and displacement. You can mount it on your equipment easily.

Model	DMK-100	DMK-300	DMK-500	DMK-800
Stroke(mm)	Max.100	Max.300	Max.500	Max.800
Size(mm)	254X21	454X21	654X21	954X21
Fixing screw	M4	M4	M4	M4

