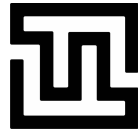


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# MCF-B

## Multi Signal Conditioner



MCF-8B (8 channels)



MCF-16B (16 channels)

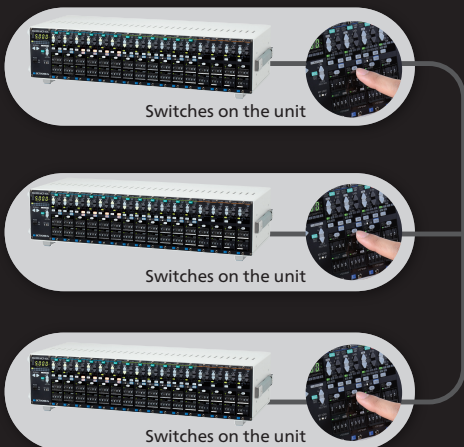
\*For details of the MCF-B and conditioner cards, see our website.

## Command Controllable

Greatly reduces the working hours during multipoint measurements, because you can set and control the MCF-B from your PC.

### MCF-A (Conventional model)

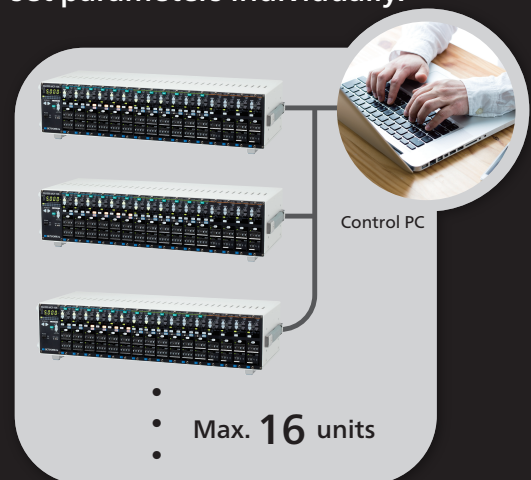
Set parameters by switches on every unit.  
(Individual control)



You can check various settings, measurements, measured values, and errors on the unit panel.

### MCF-B

Set parameters remotely by PC (RS-485) or set parameters individually.



Greatly reduces the working hours, because you can remotely check various settings, measurements, measured values, and errors.

# Command Control Specifications

Signaling System	RS-485 half duplex system					
Communication Speed	9600 bps					
Character Length	8 bits					
Parity	None					
Stop Bit	1 bit					
Delimiter	CR: Command transmission to the MCF-B. CR+LF: Data transmission from the MCF-B.					
Device ID	0 to F (up to 16 units can be controlled by one computer)					
Communication Range	Up to 200 m					
Command						
Models	MCF-8B MCF-16B	DPM-91A(-I) DPM-92A(-I)	CDV-90A	CTA-90A	CFV-90A	CCA-90A
Start command control				✓		
End command control				✓		
Select monitor display channel				✓		
Get card type	-			✓		
Get connected models	✓			-		
Get version				✓		
Get error number				✓		
Get voltage				✓		
Execute balance adjustment	-	✓	✓	-	-	-
Set calibration output	-	✓	✓	✓	✓	✓
Set internal gain	-	✓	✓	✓	✓	✓
Perform zero-point adjustment	-	✓	✓	-	✓	✓
Perform internal gain adjustment	-	✓	✓	✓	-	✓
Set bridge voltage	-	-	✓	-	-	-
Switch TEDS mode on/off	-	✓	✓	-	-	✓
Load TEDS information	-	✓	✓	-	-	✓
Set low-pass filter cutoff frequency	-	✓	✓	-	-	✓
Set high-pass filter cutoff frequency	-	✓	✓	-	-	-
Select thermocouple type	-	-	-	✓	-	-
Switch measurement range	-	-	-	-	✓	-
Set input coupling	-	-	-	-	✓	-
Set trigger level	-	-	-	-	✓	-
Switch Status in Command Control Mode	Switch operations are locked (except for [CH SELECT] switches).					
Notification in Command Control Mode	[KEY LOCK] LED flashes.					
Exiting Command Control Mode	Canceled by command or using switch.					
Settings After Exiting Command Control Mode	Retains most recent settings.					

\*To perform the command control, use the connector for centralized output cable (standard accessory) or RS-485 communication Y cable for MCF N-137 (optional accessory).

To connect the N-137 and USB port, the RS-485 - USB conversion cable (optional accessory) is required.

To extend the cable length, use the RS-485 extension cable for MCF N-136 (optional accessory).

(Note) The N-137 and N-136 are the dedicated cables. You cannot use cables on the market.

\*The software for the command control functions should be prepared by yourself. We have released the control commands.

\*To use the command control functions, you may require to update the firmware of conditioner cards.

Note that the update should be handled by Kyowa (with charge).

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### Safety Precautions

- Be sure to observe the safety precautions given in the instruction manual, in order to ensure correct and safe operation.
- Do not use in locations subject to significant water, dampness, steam, dust, or flammable gases. Doing so may lead to fire, electrical shock, or malfunction.

- Specifications and designs are subject to change without notice.
- Please contact us if using the detailed products for special applications.
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- The warranty details can be found on the "Product Warranty" attached to the product and on the following website.  
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