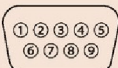


Specifications

- Order No.: 264-002
- Model: MUX-10F
- Data input port: 4 channels for Digimatic gages
- Output: (RS-232C)
- Data output Via RS-232C interface:
 - Data transmission method: Half-duplex
 - Data transmission code: ASCII/MS
 - Data length: 8 bits
 - Parity check: None
 - Stop bit: 1
 - Data transmission speed: 300/600/1200/2400/9600/19200bps
- Connector specification:

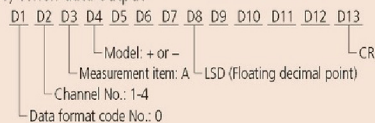


Pin No.	Signal	Function	in/out
1	CD		out
2	RD	Received data	out
3	TD	Communication data	in
4			
5	GND	Ground	
6	DR		out
7			
8	CS		out
9			

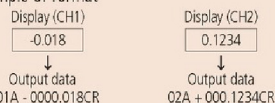
* For connection with a PC, use a commercially available RS-232C straight cable.

Data format

(1) When data output

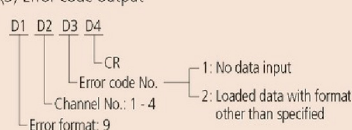


(2) Example of format



The smallest input channel number data is output first in the output stream, with the others following in ascending order.

(3) Error code output



- Power supply: AC adapter (9V, 500mA)
- External dimensions: 91.4 (W) x 92.5 (D) x 50.4 (H) mm
- Note: Communication software is not attached.

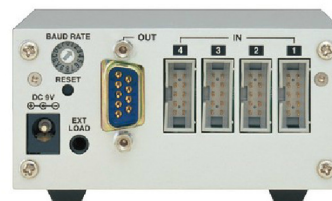
Digimatic/RS-232C Interface Unit Multiplexer MUX-10F

- Multiplexer MUX 10F is a measurement data transfer device that converts incoming Digimatic output measurement data to RS-232C and outputs it to an external device such as a PC.

Up to four measuring instruments with Digimatic output can be connected.



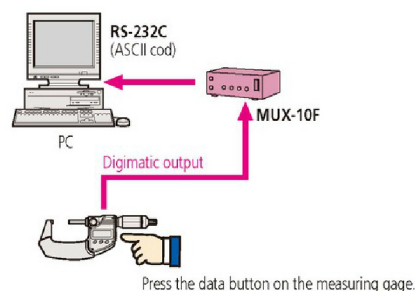
264-002
MUX-10F



Usage Example

Data input using the data button on the Digimatic gage

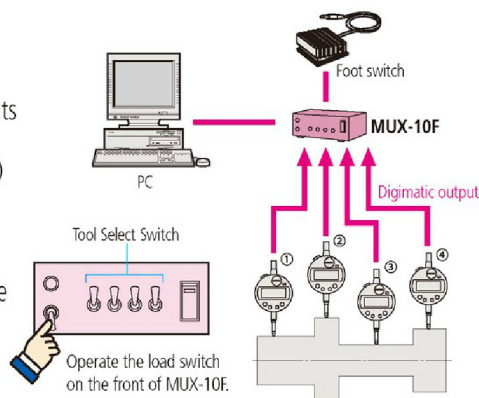
- If the Digimatic gage has a data button, data is sent to the MUX-10 from the gage, converted to RS-232C and sent out.



Press the data button on the measuring gage.

Data input using the load switch

- If the Digimatic gage does not have a data button, or when simultaneous measurements are performed, the MUX-10 load switch is used to poll data from the measuring gage(s) selected by the tool selection switch(es), converted to RS-232C, and sent out.
- If multiple measuring gages are selected by the tool selection switch, data is input in the order of channels 1 through 4.
- Optional foot switch (937179T) is available for quick data entry.



Data input using the external commands

- Data from a specified measuring gage connected to MUX-10F can be polled (ch 1- 4) by inputting a command from the PC.

Commands (ASCII)	Transfer channels
1 (ASCII code31) CR	1
2 (ASCII code32) CR	2
3 (ASCII code33) CR	3
4 (ASCII code34) CR	4
*A (ASCII code41) CR	1, 2, 3, 4
*B (ASCII code42) CR	1, 2, 4
*C (ASCII code43) CR	1, 3, 4
*D (ASCII code44) CR	2, 3, 4
E (ASCII code45) CR	1, 2, 3
F (ASCII code46) CR	1, 2
G (ASCII code47) CR	1, 3
H (ASCII code48) CR	1, 4
I (ASCII code49) CR	2, 3
J (ASCII code50) CR	2, 4
K (ASCII code51) CR	3, 4

* Command will operate the same as previous MUX-10 when 4-channel mode is turned off.

