OPERATION MANUAL

DMX-1

Mitutoyo

The interface DMX-1 is been used to connect 1 measuring instrument with a DIGIMATIC data - interface to the the serial interface of a standard PC.

The instruction set is similar to the one used by the multiplexer MUX-10.

No external electric supply is needed, because of this the DMX-1 is suited for the use with a laptop. The small dimensions of the DMX-1 allow universal measuring-tasks.

Because of the simple programming with ASCII-Codes, the DMX-1 can be easily integrated into excisting software.

Interface-parameter: 9600 Baud
                            no parity
                            8 Data-Bits
                            1 Stop-Bit

Data-Transfer

The measuring-data can be requested using the data-switch on the measuring instrument, the foot-pedal-switch or by the host-PC.

Instruction-Set

The request of the data is handled by sending the number of the channel (1) as a standard ASCII-Code, followed by CR.

Example:

Channel 1

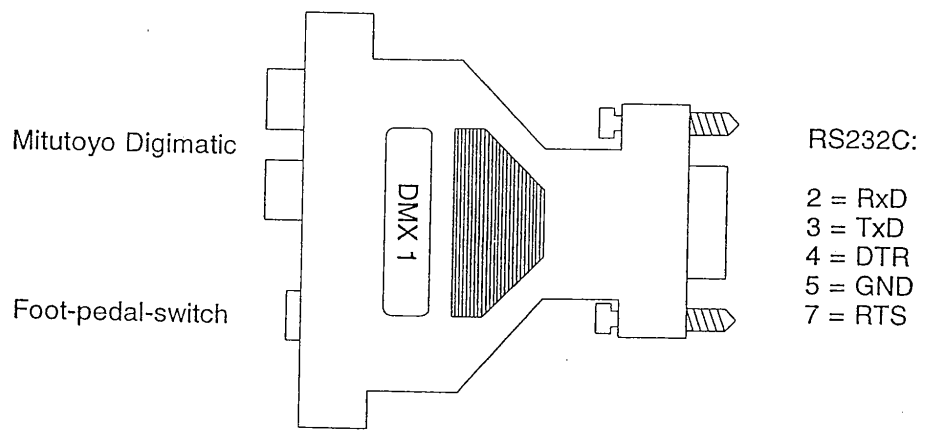| ASCII	dezimal	hex-dezimal
1 CR	#50,#13	32,#0D

If a measuring instrument is connected and it is turned on, the interface will answer with:
1 MW..Measuring-Data..CR

Sending of #3 resets the interface (all channels are open)

Sending of 'E' followed by the number of channel sets on this channel.

Sending of 'D' followed by the number of channel sets off this channel.

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Mitutoyo Digimatic

Foot-pedal-switch

DMX 1

RS232C:

2 = RxD
3 = TxD
4 = DTR
5 = GND
7 = RTS

DMX1

L'interface DMX-1 permet de connecter 1 appareil digimatic
MITUTOYO
Les commandes sont similaire au mux 10
Le DMX1 est alimenté par l'ordinateur
La programmation est effectuée par code ASCII

9600 BAUD
PAS DE PARITE
8 DATA BITS
1 STOP BITS

ASCII	DECIMALE	HEX-DECIMALE
1	CR #50,#13	32,0D