ORDERING INFORMATION MODEL : M8XR2 / M8XR3

PLEASE FILL IN THIS SECTION	FACTORY USE ONLY	
Model	Job No.	Inspected by:
Company	Ser No. —	
Name	Sales	Inspected by:
P/O No.		

CUSTOM LINEARIZATION Custom temperature reference table can be programmed other than for the standard RTDs described in the data sheet. Please submit this sheet together with the custom temperature reference table for your thermocouple.

ITEM	SET VALUE	COMMENTS
TEMPERATURE RANGE	°C to °C	Specify the minimum and maximum temperatures in the custom temperature reference table (temperature v.s. resistance) to be programmed for the transmitter. It is NOT the temperature range which is actually used, BUT the range which is to be programmed for linearization.
TEMPERATURE STEP	°C	Specify among 1°C, 2°C, 5°C and 10°C. The resistance reference points in the table is usually thinned out when programmed. The total number of reference points determined by the temperature range and step must be at the maximum of 300 points. The reference table must include data for the specified step.

EXAMPLE
Temperature range 0 to 90°C, based on the table below.

The minimum temperature step in this table is 1°C. With the range 0 to 90°C, the total number of reference points are 91 with 1°C step, which is smaller than the maximum limit of 300 points and thus selectable.
With other step settings such as 2°C, 5°C and 10°C, the total number of points are 46, 19 and 10 respectively, which are naturally within the limit.
We recommend you to choose smallest step available within the above limit because smaller step means more reference points, thus more precise linearization.

REFERENC TABLE

Unit: Ω

TEMP (°C)	0	1	2	3	4	5	6	7	8	9
0	***	***	***	***	***	***	***	***	***	***
10	***	***	***	***	***	***	***	***	***	***
20	***	***	***	***	***	***	***	***	***	***
30	***	***	***	***	***	***	***	***	***	***
40	***	***	***	***	***	***	***	***	***	***
50	***	***	***	***	***	***	***	***	***	***
60	***	***	***	***	***	***	***	***	***	***
70	***	***	***	***	***	***	***	***	***	***
80	***	***	***	***	***	***	***	***	***	***
90	***	***	***	***	***	***	***	***	***	***
100	***	***	***	***	***	***	***	***	***	***

Temperature Range