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Application Note 3011 MX200 and MM200 Analog Output Comparisons

Description

This document shows the MX200 analog (0 to 10 V DC) output settings that are equivalent to an MM200. Thank you for choosing Televac and the MX200 and please feel free to contact us with any questions!

Comparison Chart

Green highlighted values are the default MX200 settings for that sensor type

Red highlighted values are the default MM200 settings for that sensor type

Sensor	MM200 Code	MX200 Setting	High Value	Low Value
1E	R1EN	Linear (LIN)	1.0E+03 Torr	1.0E+00 Torr
	R1EL	Not supported	-	-
1F	R1EN	Linear (LIN)	1.0E+04 Torr	1.0E+01 Torr
	R1EL	Not supported	-	-
2A	R2AN	Linear (LIN)	1.0E+00 Torr	1.0E-03 Torr
	R2AL	Logarithmic (LOG)	1.0E+00 Torr	1.0E-03 Torr
	R2AT	Not supported	-	-
	R2AC	Not supported	-	-
	R2AR	Not supported	-	-
4A	R4AN	Linear-by-decade (L-D)	1.0E+03 Torr	1.0E-03 Torr
	R4AU	Linear (LIN)	1.0E+00 Torr	1.0E-03 Torr
	R4AT	Not supported	-	-
	R4AL	Logarithmic (LOG)	1.0E+03 Torr	1.0E-03 Torr
5A/5B/5C/5D/5E/5F	R5AN	Linear (LIN)	Full scale	Full scale * 0.001
	R5AL	Not supported	-	-
7B	R7BM	Linear-by-decade (L-D)	1.0E-03	1.0E-07
	R7BL	Logarithmic (LOG)	1.0E-03	1.0E-07
	R7BE	Not supported	-	-
	R7BN	Linear (LIN)	1.0E-03	1.0E-06
	R7BA	Not supported	-	-
7E	R7BT	Not supported	-	-
	R7EM	Linear-by-decade 7E (L-D 7E)	1.0E-02	1.0E-08
	R7EL	Logarithmic (LOG)	1.0E-02	1.0E-11
7F/7FC/7FCS	R7Ex	Linear (LIN)	1.0E-0x*	1.0E-(x+3)*
	R7FM	Linear-by-decade (L-D)	1.0E-02	1.0E-11
	R7FL	Logarithmic (LOG)	1.0E-02	1.0E-11
	R7Fx	Linear (LIN)	1.0E-0x*	1.0E-(x+3)*

*Dependent on the value of x; 7E = 2≤x≤5, 7F/7FC/7FCS = 2≤x≤8.