

## AUTRONIC MAFM1 A version - Set-up

Use left-hand front panel push-buttons to select the function to adjust.

Use right-hand front panel push-buttons to adjust the selected function.

Meter will return from adjustment mode to function select mode if no adjustment is made for 5 seconds, and return from function select mode to measurement display if no front panel push-button pressing occurs after a further 5 seconds.

Force an immediate return to measurement display by simultaneously pressing the 2 left-hand front panel push-buttons.

Function No.	Function	Settings	Default setting <sup>1</sup>																											
0	'Normal' Readout																													
1	DIGITAL DISPLAY units	-LA- = Lambda AF-P = Petrol AF-g = Gas AF-d = Diesel AF-A = Alky	Lambda																											
2	DIGITAL DISPLAY update rate & filtering time constant	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Value</th> <th style="width: 40%;">Filtering time constant</th> <th style="width: 50%;">Update rate</th> </tr> </thead> <tbody> <tr><td>0</td><td>6.4 SEC</td><td>1.25 / SEC</td></tr> <tr><td>1</td><td>3.2 SEC</td><td>2.5 / SEC</td></tr> <tr><td>2</td><td>1.6 SEC</td><td>2.5 / SEC</td></tr> <tr><td>3</td><td>0.8 SEC</td><td>2.5 / SEC</td></tr> <tr><td>4</td><td>0.8 SEC</td><td>5 / SEC</td></tr> <tr><td>5</td><td>0.4 SEC</td><td>5 / SEC</td></tr> <tr><td>6</td><td>0.2 SEC</td><td>5 / SEC</td></tr> <tr><td>7</td><td>0.03 SEC</td><td>5 / SEC</td></tr> </tbody> </table>	Value	Filtering time constant	Update rate	0	6.4 SEC	1.25 / SEC	1	3.2 SEC	2.5 / SEC	2	1.6 SEC	2.5 / SEC	3	0.8 SEC	2.5 / SEC	4	0.8 SEC	5 / SEC	5	0.4 SEC	5 / SEC	6	0.2 SEC	5 / SEC	7	0.03 SEC	5 / SEC	5
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3	BAR GRAPH display mode	0 OFF 1 LEFT TO CURRENT 2 LEFT TO CURRENT & MAX 3 MIN TO MAX 4 MIN & MAX 5 MIN & MAX & CURRENT 6 CURRENT VAL  Add 7 to value for filtering. TC = (BAR GRAPH peak hold time / 10) + 40mSEC (range 0.05 to 0.20 SEC)	6																											
4	BAR GRAPH peak hold time	range 0.1 to 1.60 SEC	0.6 SEC																											
5	BAR GRAPH display range minimum value for left end of Bar Graph	0.5 to 3.05 $\lambda$	0.8 $\lambda$ (or 10.0:1 A/F Petrol)																											
6	BAR GRAPH display range maximum value for right end of Bar Graph	0.5 to 3.05 $\lambda$	1.2 $\lambda$ (or 30.0:1 A/F Petrol)																											
7	ANALOG O/P output voltage range & error signalling mode	0 gives 0.0V to 5.2 V normal O/P range & 0.0 V for error 1 gives 0.156V to 5.2 V normal O/P range & 0.0 V for error 2 gives 0.0 V to 5.0 V normal O/P range & 5.2 V for error	2																											
8	ANALOG O/P filter TC	0.005 to 0.500 SEC	0.025 SEC																											
9	ANALOG O/P $\lambda$ value @ minimum O/P voltage	0.5 to 3.05 $\lambda$	0.69 $\lambda$																											
10	ANALOG O/P $\lambda$ value @ maximum O/P voltage	0.5 to 3.05 $\lambda$	2.06 $\lambda$																											

Notes:-

<sup>1</sup> To restore the meter to these factory defaults, simultaneously press all 4 front panel push-buttons.