



eM040 DATA Logger

eM040 is a compact 16GB CAN DATA Logger. It can sample up to 100 digital channels on CAN with a maximal sampling rate of 200 Hz. It can also acquire up to 4 analog 0...5V @ 12 bit and 2 on/off channels.

MAIN FEATURES

- Memory Capability: 16 GB
- Max Digital CAN Channels: 100
- Max Sample Rate: 200 Hz
- Analog Inputs: 4 Channels 0..5V @ 12 bit
- Up to 2 Digital Inputs: (0 / 5V)
- eMoticom PC Software **Caltool** for Data Download, Plotting and Analysis
- USB port for data download
- Operative voltage: 8-16V
- Operative Ambient Temperature Range: -40 ... +105 °C
- Size: 53 x 43 x 13 mm
- Weight: about 50g

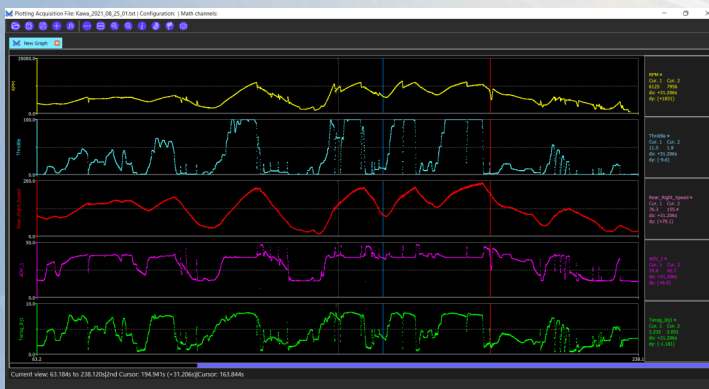
PINOUT

eM040 Side Connector: **JST 04T-JWPF-VSLE-S**
WIRING Side Connector: **JST 04R-JWPF-VSLE-S**
WIRING Side Pin: **JST SWPR-001T-P025**

PIN	SIGNAL	FUNCTION
1	+VCC	+12V Power Supply
2	CAN H	CAN H Line
3	CAN L	CAN L Line
4	GND	Ground Power Supply

eM040 Side Connector: **JST 08T-JWPF-VSLE-D**
WIRING Side Connector: **JST 08R-JWPF-VSLE-D**
WIRING Side Pin: **JST SWPR-001T-P025**

PIN	SIGNAL	FUNCTION
1	AN0	Analog Input Channel 0
2	AN1	Analog Input Channel 1
3	AN2	Analog Input Channel 2
4	AN3	Analog Input Channel 3
5	DIG1	Digital Input Channel 1
6	+5VREF	+5V for analog sensors
7	BOOT	Bootloader function
8	GND	Ground for analog sensors



New Graph configuration

Type to search	Name	Min	Max	Autoscale	RT View	Color	Move Up	Move Down	Binary	Mode	Filter Depth (m)
☒	RPM	0	20000	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Smot_Err	2	10	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Scam_Err	3	9	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Gap_Err	5	6	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Terrug_Inj1	0.000	12.000	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Terrug_Inj2	0.000	12.000	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Terrug_Inj3	0.000	12.000	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Terrug_Inj4	0.000	12.000	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	Terrug_Base	0.000	1.000	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_1	15	48.1	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_2	15	48.1	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_3	15	48.1	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_4	15	48.1	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_5	15	48.1	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_6	15	48.1	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Phase	300	450	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Phase	300	450	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Correction	1	0.001	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Phase_Correction	0	0	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Time	3.871	4.481	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Tank_Correction	1.012	1.269	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Tank_Correction	1	1.028	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Pump_Correction	0.971	0.99	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Pump_Correction	1	1	☒	☒	Change	Move Up	Move Down	☐	Line	0
☒	ADV1_Phase_Offset	0	0.65	☒	☒	Change	Move Up	Move Down	☐	Line	0