

eM065 Lambda Controller

eM065 is a compact high-performance lambda controller configurable for Bosch LSU 4.9 wideband lambda probes. It can be used to verify or adjust the A/F value to tune the engine for best performance. Output data is available in digital format on CAN. Self-diagnostic features helps to verify probe is working properly.

MAIN FEATURES

- ♦ A/F Range: from 7.0 to 20.0
- ♦ BOSCH LSU 4.9 wideband lambda probe supported (LSU 4.2 legacy version available on request)
- ♦ Warm-up strategy to foster the engine cranking.
- ♦ Self Diagnostic features
- ♦ Fully protected outputs
- ♦ CAN protocol 500 kbit/s or 1Mbit/s (configurable)
- ♦ Fully programmable with eMoticom PC Software **Caltool**
- ♦ Operative voltage: 8-16V (with reverse polarity protection)
- ♦ Operative Ambient Temperature Range: -40 ... +105°C
- ♦ Size: 53 x 43 x 13 mm
- ♦ Weight: about 50g

PINOUT

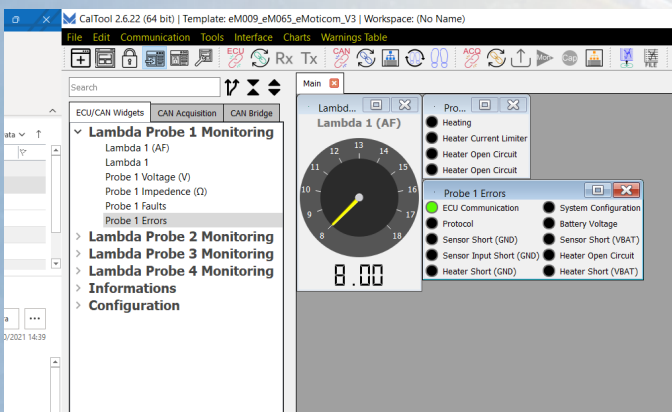
eM065 Side Connector: JST 04T-JWPF-VSLE-S

WIRING Side Connector: JST 04R-JWPF-VSLE-S

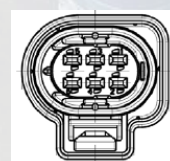
WIRING Side Pin: JST SWPR-001T-P025

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

PIN	SIGNAL	FUNCTION	PIN	SIGNAL	FUNCTION
1	APE	PUMPING CURRENT	5	RT	TRIM RESISTOR
2	IPN	VIRTUELLE GROUND	6	RE+	NERNST VOLTAGE
3	H-	HEATER (-)			
4	H+	HEATER (+)			



eM065 Side Connector:



WIRING Side Connector:

