

MecTronik MK_E1 communication protocol

Channels received by AIM loggers connected to MecTronik MK_E1 ECU are:

ID	CHANNEL NAME	FUNCTION
ECU_1	MKE1_RPM	RPM
ECU_2	MKE1_TPS	Throttle position sensor
ECU_3	MKE1_MAP	Manifold air pressure
ECU_4	MKE1_ENG_LOAD	Engine load
ECU_5	MKE1_LAMBDA	Lambda value
ECU_6	MKE1_SPEED	Vehicle speed
ECU_7	MKE1_SLIP	Slip
ECU_8	MKE1_CAMPOS1	Cam shaft position 1
ECU_9	MKE1_INJ_MAIN	Main injection time
ECU_10	MKE1_INJ_PULSE	Injection pulse
ECU_11	MKE1_IGN_MAIN	Main ignition
ECU_12	MKE1_IGN_APP	Spark Advance applied
ECU_13	MKE1_INJ_UP	Cutter strategy pattern
ECU_14	MKE1_SPARE1	Spare_1
ECU_15	MKE1_SPARE2	Spare_2
ECU_16	MKE1_SPARE3	Spare_3
ECU_17	MKE1_ECT	Engine coolant temperature
ECU_18	MKE1_IAT	Intake air temperature
ECU_19	MKE1_BATTV	Battery supply
ECU_20	MKE1_REFV	V reference
ECU_21	MKE1_AN1	ADC1
ECU_22	MKE1_AN2	ADC2
ECU_23	MKE1_AN3	ADC3
ECU_24	MKE1_AN4	ADC4
ECU_25	MKE1_GEAR	Engaged gear
ECU_26	MKE1_GEAR_LC	Gear load cell
ECU_27	MKE1_GEAR_STR	Gear shift time remained
ECU_28	MKE1_SPARE4	Spare_4
ECU_29	MKE1_DRV_SEL	Driver select
ECU_30	MKE1_DRV_MAP	Active map
ECU_31	MKE1_DRV_STR	Active strategies

ECU_32	MKE1_SPARE5	Spare_5
ECU_33	MKE1_REVS	Engine revolutions
ECU_34	MKE1_SMOT_C	Smot counter
ECU_35	MKE1_SCAM_C	Scam counter
ECU_36	MKE1_SPARE6	Spare_7
ECU_37	MKE1_ECU_TIME	ECU Time counter
ECU_38	MKE1_ECU_TEMP	ECU Temperature
ECU_39	MKE1_ECU_TAB_ID	ECU Table ID
ECU_40	MKE1_ECU_STATE	ECU state
ECU_41	MKE1_INJ_DIA	Injector driving diag
ECU_42	MKE1_ANG1_DIA	Analog group 1 diag
ECU_43	MKE1_TRIG_DIA	Engine trigger sensors diag
ECU_44	MKE1_SPARE6	Spare_6
ECU_45	MKE1_L2_DIA1	Lambda 1 diag
ECU_46	MKE1_L2_LAM1	Lambda value 1
ECU_47	MKE1_L2_TEMP1	Temperature 1
ECU_48	MKE1_L2_DIA2	Lambda 2 diag
ECU_49	MKE1_L2_LAM2	Lambda value 2
ECU_50	MKE1_L2_TEMP2	Lambda 2 temperature