

## Walbro HPUH1 communication protocol

Channels received by AIM loggers connected to Walbro HPUH1 ECU are:

ID	CHANNEL NAME	FUNCTION
ECU_1	HPUH1_RPM	RPM
ECU_2	HPUH1_SPEED	Speed
ECU_3	HPUH1_MAP	Manifold pressure
ECU_4	HPUH1_BAP	Barometric air pressure
ECU_5	HPUH1_TPS	Throttle position sensor
ECU_6	HPUH1_DELTATPS	Throttle position delta
ECU_7	HPUH1_TAIR	Intake air temperature
ECU_8	HPUH1_TENGINE	Engine temperature
ECU_9	HPUH1_VBATT	Battery supply
ECU_10	HPUH1_LAMBDA	Lambda value
ECU_11	HPUH1_LAMBDA REF	Lambda reference
ECU_12	HPUH1_KLAMBDA	Fuel correction from lambda value
ECU_13	HPUH1_INJ1	Injection 1
ECU_14	HPUH1_INJ2	Injection 2
ECU_15	HPUH1_INJ3	Injection 3
ECU_16	HPUH1_INJ4	Injection 4
ECU_17	HPUH1_SPARK1	Spark advance 1
ECU_18	HPUH1_SPARK2	Spark advance 2
ECU_19	HPUH1_SPARK3	Spark advance 3
ECU_20	HPUH1_SPARK4	Spark advance 4
ECU_21	HPUH1_PHASE	
ECU_22	HPUH1_IDLEPOS	Idle position
ECU_23	HPUH1_SIDE_STAND	
ECU_24	HPUH1_NEUTRAL	Neutral sensor
ECU_25	HPUH1_ACTIVEBLOCK	Immobilizer
ECU_26	HPUH1_TIPOVER	