



SAE J1939



SAE J1939 Inquiry Form

Application	
Date	
Industry	
Description of Customer's Application	

J1939 NAME Specification			
Parameter	Requested Value	Default Value	Data Length
Arbitrary Address Capable		0x1	1 bit
Industry Group		0x5	3 bit
Vehicle System Instance		0	4 bit
Vehicle System Function		0	7 bit
Function Instance		0x8e	8 bit
ECU Instance		0	5 bit
Manufacturer Code		0	3 bit
Identity Number		0x122	11 bit
		Lower 21 bits of Sensor Serial No.	21 bit

Measurement Data PGN Specification			
Parameter	Customer Specific Value	Default Value	Remark
PGN No.		0xFFAA	
PDU Format	PDU 1 PDU 2 Proprietary	PDU 2	
Priority		6	
Source Address		0x20	
PDU Specific		-	
EDP		0	
DP		0	
Transport Protocol	None BAM CMDT	None	
No. of transmitted data bytes		8	Max. is 8 for no transport protocol
PGN Cycle Time [ms]		50	Min. 5 ms for no transport protocol Min. 300 ms for BAM or CMDT

M36 Measurement Data PGN Contents			
Parameter	Customer Specific Value	Data Length	Data Type
Encoder Position		32 bit	unsigned
Encoder Speed		16 bit	unsigned
Encoder Diagnostic Status		16 bit	unsigned



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M36 Encoder Configuration Options and Preconfiguration

Parameter	Customer specific value	Default Value	Remark
Encoder Address		0x20	
Configuration PGN Number		0xEF20	
Operating Parameters		0x04	0x00 = Counterclockwise direction increments / Scaling off 0x01 = Clockwise direction increments / Scaling off 0x04 = Counterclockwise direction increments / Scaling on 0x05 = Clockwise direction increments / Scaling on
MUR		0x4000	Measuring units per rotation (only if scaling is on)
TMR		0x1000 0000	Total measuring range (only if scaling is on)
PGN cycle time [ms]		50	0 = no cyclic transmission
CAN bit rate		0	0 = 250 kbit/s 1 = 500 kbit/s
CAN Termination		1	1 = termination on 0 = termination off

Further Information

Remarks	
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