MODBUS Register
S9IA300AM (2800030)

Register Name	Description	Register Type	R/W	Default Value	Modbus Address
machine_ID	ID Machine	Unsigned 16 bits	R	16	**40001**
FW_Version	Firmware Release	Unsigned 16 bits	R		**40002**
addr	Modbus address (Range 1…250)	Unsigned 16 bits	R/W	1	**40003**
Delay	Answer delay (Range 1…1000)	Unsigned 16 bits	R/W	1	**40004**
Baudrate	0= 1200, 1= 2400, 2= 4800, 3= 9600, 4= 19200, 5= 38400, 6= 57600, 7= 115200	Unsigned 16 bits	R/W	1	**40005**
Parity	Type of parity **0**= 8,N,1 **1**= 8, O, 1(ODD) **2**= 8, E, 1 (EVEN)	Unsigned 16 bits	R/W	0	**40006**
In_start	Start Input (A)	Floating 32 bits	R/W	0	**40007 (LO)** **40008 (HI)**
In_stop	Stop Input (A)	Floating 32 bits	R/W	300	**40009 (LO)** **40010 (HI)**
Out_start_V	Start Output (mV) (Range 0…10000)	Unsigned 16 bits	R/W	0	**40011**
Out_stop_V	Stop Output (mV) (Range 0…10000)	Unsigned 16 bits	R/W	10000	**40012**
filt1	n° of samples for mobile average (1= 100ms) (Range 1…32)	Unsigned 16 bits	R/W	1	**40013**
filt	Second level filter for ripple problems on AC measurement (Range 1000…20000)	Unsigned 16 bits	R/W	4096	**40014**
Cutoff	Cutoff Value (mA)	Unsigned 16 bits	R/W	1500	**40029**
RMS_A	RMS Current Value (A)	Floating 32 bits	R		**40037 (LO)** **40038 (HI)**
status	Status Register **bit 0** =1 : Error flash settings **bit 1**=1 : Error flash calibration **bit 2**=1 : Over Range **bit 3**=1 : Under Range	Unsigned 16 bits	R		**40048**
RMS_100	RMS Value of Current (A x 100)	Signed 16 bits	R		**40050**
RMS_sw	RMS Current Value (A) swapped	Floating 32 bits	R		**40051 (LO)** **40052 (HI)**
Ah	Ah counting (resettable)	Floating 32 bits	R/W		**40053 (LO)** **40054 (HI)**
A_MAX	Max current value/100 (resettable)	Signed 16 bits	R/W		**40055**
A_min	min current value/100 (resettable)	Signed 16 bits	R/W		**40056**
Data High	Calibration Data (yy, mm)	Unsigned 16 bits	R		**40057**
Data Medium	Calibration Data (day, hour)	Unsigned 16 bits	R		**40058**
Data Low	Calibration Data (min, sec)	Unsigned 16 bits	R		**40059**