SOLARTRON ORBIT ACS MODBUS PARAMETER MAP - SI100/SI200
Created 20/06/2013 15:35

Param Address	Name	Read/Rule	Write/Rule	Enumeration	Type	Number of 16 bit registers	Decimal Place Position	Comment
1	Firmware Version	ALWAYS	INTERNAL_ONLY	-	uInt16	1	2	Instrument Firmware Version as read from the internal header
2	Product Type	ALWAYS	L7	PRODUCT_TYPE	uInt16	1	0	Product type
3	Units	ALWAYS	L2	Units	uInt16	1	0	Units 0=mm 1=Inches
5	Save to NVOL Memory	ALWAYS	L3	-	uInt16	1	0	Zero to non-zero transition causes all non-volatile parameters to be saved to non-volatile memory
6	NVOL Error State	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Indicates error state of NVOL
7	NVOL Initialisation state	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Indicates initialisation state of NVOL storage
8	Factory Restore 1	ALWAYS	ALWAYS	-	uInt16	1	0	Set both this and FactoryRestore2 to a value of 1111 to perform a factory restore
9	Factory Restore 2	ALWAYS	ALWAYS	-	uInt16	1	0	Set both this and FactoryRestore1 to a value of 1111 to perform a factory restore
19	High Alarm A	SI100orSI200	L3	-	sInt64	4	6	High alarm level for Channel A (built in probe) in current units
23	Low Alarm A	SI100orSI200	L3	-	sInt64	4	6	Low alarm level for Channel A (built in probe) in current units
27	Digital Output 1 Configuration	SI100orSI200	L3	DO_CONFIG	uInt16	1	0	Configures operation of digital output
28	Digital Output 2 Configuration	SI100orSI200	L3	DO_CONFIG	uInt16	1	0	Configures operation of digital output
29	Digital Output 3 Configuration	SI100orSI200	L3	DO_CONFIG	uInt16	1	0	Configures operation of digital output
32	ChanSync	SI100orSI200	L3	OFF_ON	uInt16	1	0	Set this to a non-zero value to cause an action invoked for one channel to also be invoked on the other.
33	PriTRACK	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke TRACK mode on Primary calculation chain Peak function block.
34	PriPEAK+	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PEAK+ mode on Primary calculation chain Peak function block.
35	PriPEAK-	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PEAK- mode on Primary calculation chain Peak function block.
36	PriPKRST	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PEAK Reset on Primary calculation chain Peak functin block.
37	PriABS	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke ABS mode on Primary Measurement Computation function blocks.
38	PriZERO	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke ZERO mode on Primary Measurement Computation function blocks.
39	PriPrset	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PRESET mode on Primary Measurement Computation function blocks.
40	PAMxRST	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Primary calculation chain - channel A Max
41	PAMnRST	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Primary calculation chain - channel A Min
42	PMxMnRST	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Primary calculation chain - channel A Max AND Channel A Min
43	PrInt	SI100orSI200	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a PRINT output if ASCII type communications protocol is selected.
44	PBMxRST	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Primary calculation chain - channel B Max
45	PBMnRST	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Primary calculation chain - channel B Min
46	SecTRACK	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke TRACK mode on Secondary calculation chain Peak function block.
47	SecPEAK+	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PEAK+ mode on Secondary calculation chain Peak function block.
48	SecPEAK-	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PEAK- mode on Secondary calculation chain Peak function block.
49	SecPKRST	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PEAK Reset on Secondary calculation chain Peak functin block.
50	SecABS	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke ABS mode on Secondary Measurement Computation function blocks.
51	SecZERO	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke ZERO mode on Secondary Measurement Computation function blocks.
52	SecPrset	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke PRESET mode on Secondary Measurement Computation function blocks.
53	SAMxRST	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Secondary calculation chain - channel A Max
54	SAMnRST	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Secondary calculation chain - channel A Min
55	SBMxRST	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Secondary calculation chain - channel B Max
56	SBMnRst	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Secondary calculation chain - channel B Min
57	SMxMnRST	SI200Only	ALWAYS	USER_ACTION	uInt16	1	0	Set this to any non-zero value to invoke a reset of Secondary calculation chain - channel A and B Max and Min
59	High Alarm B	SI200Only	L3	-	sInt64	4	6	High alarm level for Channel B (external probe) in current units
63	Low Alarm B	SI200Only	L3	-	sInt64	4	6	Low alarm level for Channel B (external probe) in current units
70	Start-up Access Level	ALWAYS	CURRENT_ACCESS_LEVEL	ACCESS_LEVEL	uInt16	1	0	Access level to assume on start-up.
71	Current Access Level	ALWAYS	CURRENT_ACCESS_LEVEL	ACCESS_LEVEL	uInt16	1	0	Current access level. May be manually reduced but password needed to increase
72	Password Entry	ALWAYS	PASSWORD_ALLOWED	-	uInt32	2	0	Enter password here for new Access Level. Note: Invalid password entry three times in a row will cause this parameter to be not writable for one-minute.
74	Level 1 Password	L1	L1_PASSWORD_SET	-	uInt32	2	0	Password for L1 access
76	Level 2 Password	L2	L2_PASSWORD_SET	-	uInt32	2	0	Password for L2 access
78	Level 3 Password	L3	L3_PASSWORD_SET	-	uInt32	2	0	Password for L3 access
80	Level 4 Password	L4	L4_PASSWORD_SET	-	uInt32	2	0	Password for L4 access
100	Protocol	ALWAYS	L3	PROTOCOLS	uInt16	1	0	COM Port Protocol
101	Protocol ID	ALWAYS	L3	-	uInt16	1	0	COM Port Protocol ID / Address
102	Port Type Selection	ALWAYS	L3	RS232RS485	uInt16	1	0	COM Port Hardware
103	Baud Rate	ALWAYS	L3	BAUD	uInt16	1	0	COM Port Baud rate
104	Word Length	ALWAYS	L3	COMMSWORDLENGTH	uInt16	1	0	COM Port Number of bits per word
105	Stop Bits	ALWAYS	L3	COMMSSTOPBITS	uInt16	1	0	COM Port Number of stop bits
106	Parity Selection	ALWAYS	L3	PARITY	uInt16	1	0	COM Port Parity
108	Intermessage delay (mS)	ALWAYS	L3	-	uInt16	1	0	COM Port Intermessage delay (mS to wait before responding)
109	InitPort	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	COM Port Initialise - port initialises whenever this parameter is written to
110	PrntNow1	ALWAYS	L3	-	Pointer	1	0	COM Port - Address for parameter to cause PrintNow for any of the ASCII based protocols - print occurs on +ve transition of addressed parameter or continuously if configured.
111	PrntNow2	ALWAYS	L3	-	Pointer	1	0	COM Port - Address for parameter to cause PrintNow for any of the ASCII based protocols - print occurs on +ve transition of addressed parameter or continuously if configured.
112	PrntCont	ALWAYS	L3	-	Pointer	1	0	COM Port - Address for parameter that indicates whether continuous ASCII output is required. Note: InterMessageDelay will be used to slow comms rate as defined.
114	ChALabel	ALWAYS	L3	-	String8	4	0	DR600 ASCII Comms - Channel A Label
118	Channel B label for DR600 comms	ALWAYS	L3	-	String8	4	0	DR600 ASCII Comms -
122	Extra CR's	ALWAYS	L3	-	uInt16	1	0	DR600 ASCII Comms - Number of extra carriage returns
123	Check Alarms	ALWAYS	L3	NO_YES	uInt16	1	0	DR600 ASCII Comms - Check Alarms
124	Print Mode	ALWAYS	L3	-	uInt16	1	0	DR600 ASCII Comms - Print Mode
125	Output Mode	SI100orSI200	L3	ACSASCIIMODE	uInt16	1	0	ACS ASCII Print mode - use to configure ASCII output of Primary channel - Secondary channel or both.
150	5V Pull Up enable	ALWAYS	L3	OFF_ON	uInt16	1	0	Switch on / off the Digital Output 5V pull up (open collector outputs)
151	PNP / NPN Selection	ALWAYS	L3	NPN_PNP	uInt16	1	0	Select PNP / NPN operation of digital outputs
152	DO1 Source	ALWAYS	L3	-	Pointer	1	0	Address of parameter to drive Digital Output 1 (Addressed parameter value of 0 = output off / <>0 = on).
153	Invert Option for DO1	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for Digital Output1
154	DO2 Source	ALWAYS	L3	-	Pointer	1	0	Address of parameter to drive Digital Output 2 (Addressed parameter value of 0 = output off / <>0 = on).
155	Invert Option for DO2	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for Digital Output3
156	DO3 Source	ALWAYS	L3	-	Pointer	1	0	Address of parameter to drive Digital Output 3 (Addressed parameter value of 0 = output off / <>0 = on).
157	Invert Option for DO3	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for Digital Output3
166	Digital Input 1 Action	SI100orSI200	L3	BUTTON_ACTIONS	uInt16	1	0	Configure Action for DI_1
167	Digital Input 2 Action	SI100orSI200	L3	BUTTON_ACTIONS	uInt16	1	0	Configure Action for DI_2
168	Digital Input 3 Action	SI100orSI200	L3	BUTTON_ACTIONS	uInt16	1	0	Configure Action for DI_3
169	Digital Input 4 Action	SI100orSI200	L3	BUTTON_ACTIONS	uInt16	1	0	Configure Action for DI_4
170	Digital Input - Debounce Period	ALWAYS	L3	-	uInt16	1	0	Debounce period for all Digital Inputs
171	Digital Input 1 Value	ALWAYS	INTERNAL_ONLY	OFF_ON	uInt16	1	0	Digital Input 1 value
172	Invert Option for DI1	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for Digital Input 1
173	Digital Input 2 Value	ALWAYS	INTERNAL_ONLY	OFF_ON	uInt16	1	0	Digital Input 2 value
174	Invert Option for DI2	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for Digital Input 2
175	Digital Input 3 Value	ALWAYS	INTERNAL_ONLY	OFF_ON	uInt16	1	0	Digital Input 3 value
176	Invert Option for DI3	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for Digital Input 3
177	Digital Input 4 Value	ALWAYS	INTERNAL_ONLY	OFF_ON	uInt16	1	0	Digital Input 4 value
178	Invert Option for DI4	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for Digital Input 4
179	External Supply Present	ALWAYS	INTERNAL_ONLY	OFF_ON	uInt16	1	0	External Supply Present Digital Input value
180	Invert Option for External Supply Present	ALWAYS	L3	DI_CONFIG	uInt16	1	0	Invert option for External Supply Present Digital Input value
181	Seconday Preset Value	SI200Only	L2	-	sInt64	4	6	Secondary Calculation chain - User Preset Value to be applied when preset employed.
185	Apply Secondary Preset	SI200Only	L2	-	uInt16	1	0	FALSE to TRUE transition causes Preset to be applied - Secondary Calculation chain
186	Apply Secondary Zero	SI200Only	L2	-	uInt16	1	0	FALSE to TRUE transition causes Zero to be applied - Secondary Calculation chain -
187	Secondary Peak Reset	SI200Only	L2	-	uInt16	1	0	Secondary Calculation chain - Peak+/- Reset
188	Secondary Peak - Auto Reset Time	SI200Only	L2	-	sInt64	4	6	Secondary Calculation chain - Peak+/- Auto Reset - time threshold - time below level threshold before auto-reset engaged.
192	Secondary Peak - Auto Reset Level	SI200Only	L2	-	sInt64	4	6	Secondary Calculation chain - Peak+/- Auto Reset - level threshold - level threshold before auto-reset engaged after time period.
239	Decimal places to show (On Screen)	ALWAYS	L3	-	uInt16	1	0	Number of decimal places to show on main screens
240	Print Continuous	ALWAYS	L3	NO_YES	uInt16	1	0	Set TRUE to print ASCII output continuously or FALSE to print only when triggered
241	Primary Preset Value	SI100orSI200	L2	-	sInt64	4	6	User Preset Value to be applied when preset employed.
245	Apply Primary Preset	ALWAYS	L2	-	uInt16	1	0	FALSE to TRUE transition causes Preset to be applied.
246	Apply Primary Zero	ALWAYS	L2	-	uInt16	1	0	FALSE to TRUE transition causes Zero to be applied.
247	PeakRst	ALWAYS	L2	-	uInt16	1	0	Peak Reset
248	Primary Peak - Auto Reset Time	SI100orSI200	L2	-	sInt64	4	6	Peak Auto Reset - time threshold - time below level threshold before auto-reset engaged.
252	Primary Peak - Auto Reset Level	SI100orSI200	L2	-	sInt64	4	6	Peak+/- Auto Reset - level threshold - level threshold before auto-reset engaged after time period.
256	Rounding	ALWAYS	L2	-	sInt64	4	6	Global UserValue linked to Measurment block Rounding - set this parameter to units of rounding required.
260	Reset Max/Min.	ALWAYS	L1	-	uInt16	1	0	Global UserValue linked to Measurment block for resetting Max / Min values - setting this parameter TRUE will cause reset of MAX / MIN - setting FALSE allows Max/Min to track.
390	Micro1_DetachableProbeError	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	0= no detachable probe error / 1 = error encountered - either detached or not compatible.
451	PNo1-8	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Product Part Number String (characters 1-8)
455	PNo9-16	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Product Part Number String (characters 9-16)
459	PNo17-24	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Product Part Number String (characters 17-24)
463	PNo25-32	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Product Part Number String (characters 25-32)
467	IDs1-8	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Orbit ID String (characters 1-8)
471	IDs9-16	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Orbit ID String (characters 9-16)
475	VersionS	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Version Number String
479	Type1-8	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Product Type String (characters 1-8)
483	Type9-16	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Product Type String (characters 9-16)
496	GFuncErr	ALWAYS	L3	OK_ERROR	uInt16	1	0	Error within Strategy detected - latching / user clearable
497	FuncErr	ALWAYS	INTERNAL_ONLY	OK_ERROR	uInt16	1	0	Current error within strategy.
905	ChAMode	ALWAYS	INTERNAL_ONLY	CHANCOND_Mode	uInt16	1	0	Current output mode (0=ABS / 1=TARE / 2=PRE)
906	POutput	ALWAYS	INTERNAL_ONLY	-	sInt64	4	6	Current output value
910	Cnd1_PV	ALWAYS	INTERNAL_ONLY	-	sInt64	4	6	Preset value currently applied to output
914	Cnd1_ZV	ALWAYS	INTERNAL_ONLY	-	sInt64	4	6	Zero offset currently applied to output
925	ChBMode	SI200OrHigher	INTERNAL_ONLY	CHANCOND_Mode	uInt16	1	0	Current output mode (0=ABS / 1=TARE / 2=PRE)
926	SOutput	SI200OrHigher	INTERNAL_ONLY	-	sInt64	4	6	Current output value
930	Cnd2_PV	SI200OrHigher	INTERNAL_ONLY	-	sInt64	4	6	Preset value currently applied to output
934	Cnd2_ZV	SI200OrHigher	INTERNAL_ONLY	-	sInt64	4	6	Zero offset currently applied to output
1001	Primary Peak Mode	SI100orSI200	L3	PEAK_MODE	uInt16	1	0	Mode of Primary channel Peak detection
1002	Primary Peak Reset Type	SI100orSI200	L3	MANUAL_AUTO	uInt16	1	0	Primary Peak reset mode
1006	POutput	SI100orSI200	INTERNAL_ONLY	-	sInt64	4	6	Output Value
1015	Secondary Peak Mode	SI200Only	L3	PEAK_MODE	uInt16	1	0	Mode of Secondary channel Peak detection
1016	Secondary Peak Reset Type	SI200Only	L3	MANUAL_AUTO	uInt16	1	0	Secondary Peak reset mode
1020	SOutput	SI200Only	INTERNAL_ONLY	-	sInt64	4	6	Output Value
1029	1029	SI200Only	L3	PEAK_MODE	uInt16	1	0	Mode of Peak detection 0=TRACK 1=PEAK+ 2=PEAK-
1030	TRstType	SI200Only	L3	MANUAL_AUTO	uInt16	1	0	
1034	1034	SI200Only	INTERNAL_ONLY	-	sInt64	4	6	Output Value
1050	FBS_MEASCOMP1_ChANodeIndex	ALWAYS	L3	-	uInt16	1	0	ChannelA Module node index
1051	FBS_MEASCOMP1_ChBNodeIndex	ALWAYS	L3	-	uInt16	1	0	ChannelB Module node index
1057	Primary Measurement Calculation	SI100orSI200	L1	COMPUTATION_MODE	uInt16	1	0	Measurement mode (A&B / A+B / A-B etc)
1058	PMxA	ALWAYS	L3	-	sInt64	4	6	Maximum recorded value for ChannelA
1062	PMnA	ALWAYS	L3	-	sInt64	4	6	Minimum recorded value for ChannelA
1066	PMxB	ALWAYS	L3	-	sInt64	4	6	Maximum recorded value for ChannelB
1070	PMnB	ALWAYS	L3	-	sInt64	4	6	Minimum recorded value for ChannelB
1074	PStatus	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Output Status register (0=All relevant inputs Ok)
1075	1NdStat	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Node status register (0=All relevant nodes OK).
1076	POutput	SI100orSI200	INTERNAL_ONLY	-	sInt64	4	6	Primary 'computed measurement' according to current mode.
1080	POut1Rng	ALWAYS	INTERNAL_ONLY	-	sInt32	2	6	Range of primary output (maximum output value)
1082	POut1Ost	ALWAYS	INTERNAL_ONLY	-	sInt32	2	6	Offset of primary output (maximum output value)
1084	POutput2	SI100orSI200	INTERNAL_ONLY	-	sInt64	4	6	Secondary output (ChannelB rounded)
1088	POut2Rng	SI100orSI200	INTERNAL_ONLY	-	sInt32	2	6	Range of secondary output (maximum output value)
1090	POut2Ost	SI100orSI200	INTERNAL_ONLY	-	sInt32	2	6	Offset of secondary output (maximum output value)
1092	PErr	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Error state for this function block.
1094	FBS_MEASCOMP2_ChANodeIndex	ALWAYS	L3	-	uInt16	1	0	ChannelA Node Index
1095	FBS_MEASCOMP2_ChBNodeIndex	ALWAYS	L3	-	uInt16	1	0	ChannelB Node Index
1101	Secondary Measurement Calculation	SI200Only	L1	COMPUTATION_MODE	uInt16	1	0	Measurement mode (A&B / A+B / A-B etc)
1102	SMxA	ALWAYS	L3	-	sInt64	4	6	Maximum recorded value for ChannelA
1106	SMnA	ALWAYS	L3	-	sInt64	4	6	Minimum recorded value for ChannelA
1110	SMxB	ALWAYS	L3	-	sInt64	4	6	Maximum recorded value for ChannelB
1114	SMnB	ALWAYS	L3	-	sInt64	4	6	Minimum recorded value for ChannelB
1118	SStatus	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Output Status register (0=All relevant inputs Ok)
1119	2NdStat	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Node status register (0=All relevant nodes OK).
1120	SOutput	SI200Only	INTERNAL_ONLY	-	sInt64	4	6	Primary 'computed measurement' according to current mode.
1124	SOut1Rng	SI200Only	INTERNAL_ONLY	-	sInt32	2	6	Range of primary output (maximum output value)
1126	SOut1Ost	SI200Only	INTERNAL_ONLY	-	sInt32	2	6	Offset of primary output (maximum output value)
1128	SOutput2	SI200Only	INTERNAL_ONLY	-	sInt64	4	6	Secondary output (ChannelB rounded)

1132	SOut2Rng	SI200Only	INTERNAL_ONLY	-	sInt32	2	6	Range of secondary output (maximum output value)
1134	SOut2Ost	SI200Only	INTERNAL_ONLY	-	sInt32	2	6	Offset of secondary output (maximum output value)
1136	SErr	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Error state for this function block.
1501	Language	ALWAYS	L6	LANGUAGES	uInt16	1	0	Current language selection
1502	Display Direction	ALWAYS	L3	DispDir	uInt16	1	0	Screen orientation
1503	Rotate Keyboard with Screen	ALWAYS	L3	NO_YES	uInt16	1	0	Option to Rotate keyboard with screen orientation
1504	BGColAdd	ALWAYS	L3	-	Pointer	1	0	Pointer to address of parameter describing the main background colour of the screen
1505	LtBtnAcn	SI100orSI200	L3	BUTTON_ACTIONS	uInt16	1	0	Configuration for left button action on main screens (0=Off : 1=Track : 2=Peak+ : 3=Peak- : 4=PeakRST : 5=ABS : 6=TARE : 7=PRESET : 8=PRINT : 9=MaxMinRST)
1506	RtBtnAcn	SI100orSI200	L3	BUTTON_ACTIONS	uInt16	1	0	Configuration for left button action on main screens (0=Off : 1=Track : 2=Peak+ : 3=Peak- : 4=PeakRST : 5=ABS : 6=TARE : 7=PRESET : 8=PRINT : 9=MaxMinRST)
2200	CurrMode	SI200OrHigher	INTERNAL_ONLY	ORBIT_MODE	uInt16	1	0	Current Orbit Network Mode. Use ModeRequired' to control actual mode.
2201	NewMode	SI200OrHigher	L3	ORBIT_MODE	uInt16	1	0	User set rquired new mode of Orbit Network (Initialising - ReadingCycle - NotifySingle - NotifyMany - ResetClr)
2202	Lock Network Configuration	SI200OrHigher	L3	LOCK_.UNLOCKED_LOCKED	uInt16	1	0	Set TRUE to lock the configuration and inhibit ResetClear mode (clear entire network). Note: This doesn't inhibit Notify and adding modules. It only inhibits a full network clear.
2203	Orbit Network Resolution	ALWAYS	L3	ORBIT_RESOLUTION	uInt16	1	0	Orbit Network Resolution
2204	Orbit Network Averaging	ALWAYS	L3	ORBIT_AVERAGING	uInt16	1	0	Orbit Network Averaging
2206	Error	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	0=No Error. Otherwise this parameter is set to ID of node not responding or an Orbit ACS error code 0xFFxx
2207	ScanLT	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Duration of last complete Orbit Network Scan in mS
2208	ScanMxT	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Maximum duration of complete Orbit Network Scan in mS
2250	Status	ALWAYS	INTERNAL_ONLY	ORBIT_MODULE_STATUS	uInt16	1	0	Module Status
2251	Address	ALWAYS	INTERNAL_ONLY	-	uInt16	1	0	Module Address
2252	Type	ALWAYS	INTERNAL_ONLY	ORBIT_MODULE_TYPE	uInt16	1	0	Module Type
2253	Reading	OrbitOnline	INTERNAL_ONLY	-	sInt64	4	6	Reading from probe or module. Derived from (RawUnits * ReadingScale) + ReadingOffset : All in current system Units
2257	RStatus	ALWAYS	INTERNAL_ONLY	READING_STATUS	uInt16	1	0	Status of input Reading
2258	Scale	ALWAYS	INTERNAL_ONLY	-	sInt32	2	6	Input Scale (0-range) in current system units SINT32 with 3 decimal places.
2260	Offset	ALWAYS	INTERNAL_ONLY	-	sInt32	2	6	Input Offset in current system units SINT32 with 3 decimal places. Offset used to derive ReadingInUnits (+/- offset applied after RawReading scaled).
2262	SNoStart	ALWAYS	INTERNAL_ONLY	-	String8	4	0	Start of module serial number (10 character string)
2266	SNoEnd	ALWAYS	INTERNAL_ONLY	-	String8	4	0	End of module number serial number (10 character string)
2270	Status	SI200OrHigher	INTERNAL_ONLY	ORBIT_MODULE_STATUS	uInt16	1	0	Module Status
2271	Address	SI200OrHigher	INTERNAL_ONLY	-	uInt16	1	0	Module Address
2272	Type	SI200OrHigher	INTERNAL_ONLY	ORBIT_MODULE_TYPE	uInt16	1	0	Module Type
2273	Reading	SI200OrHigher_OrbitOnline	INTERNAL_ONLY	-	sInt64	4	6	Reading from probe or module. Derived from (RawUnits * ReadingScale) + ReadingOffset : All in current system Units
2277	RStatus	SI200OrHigher	INTERNAL_ONLY	READING_STATUS	uInt16	1	0	Status of input Reading
2278	Scale	SI200OrHigher	INTERNAL_ONLY	-	sInt32	2	6	Input Scale (0-range) in current system units SINT32 with 3 decimal places.
2280	Offset	SI200OrHigher	INTERNAL_ONLY	-	sInt32	2	6	Input Offset in current system units SINT32 with 3 decimal places. Offset used to derive ReadingInUnits (+/- offset applied after RawReading scaled).
2282	SNoStart	SI200OrHigher	INTERNAL_ONLY	-	String8	4	0	Start of module serial number (10 character string)
2286	SNoEnd	SI200OrHigher	INTERNAL_ONLY	-	String8	4	0	End of module number serial number (10 character string)
2400	ReScale	ALWAYS	MODULE_IS_AIM	-	sInt64	4	6	Rescaling for Orbit Module1 - New Scale parameter
2404	ReScale	SI200OrHigher	MODULE_IS_AIM	-	sInt64	4	6	Rescaling for Orbit Module2 - New Scale parameter
2500	LsrModL1	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Model number for Network Index 0 laser (LTH) unit - 1st part of model number.
2504	LsrModL2	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Model number for Network Index 0 laser (LTH) unit - 2nd part of model number.
2508	LsrModL1	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Model number for Network Index 1 laser (LTH) unit - 1st part of model number.
2512	LsrModL2	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Model number for Network Index 1 laser (LTH) unit - 2nd part of model number.
2550	LsrSNo1	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Serial number for Network Index 0 laser (LTH) unit - 1st part of serial number.
2554	LsrSNo2	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Serial number for Network Index 0 laser (LTH) unit - 2nd part of serial number.
2558	LsrSNo1	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Serial number for Network Index 1 laser (LTH) unit - 1st part of serial number.
2562	LsrSNo2	Module_Is_LTH_Type	INTERNAL_ONLY	-	String8	4	0	Serial number for Network Index 1 laser (LTH) unit - 2nd part of serial number.
2650	LsrFltr	Module_Is_LTH_Type	INTERNAL_ONLY	LASER_FILTER	uInt16	1	0	Filter time index for Network Index 0 laser unit (0=20KHz / 1=4KHz / 2=1KHz / 3=200Hz / 4=25Hz / 5=1Hz / 6=0.1Hz)
2651	LsrFltr	Module_Is_LTH_Type	INTERNAL_ONLY	LASER_FILTER	uInt16	1	0	Filter time index for Network Index 1 laser unit (0=20KHz / 1=4KHz / 2=1KHz / 3=200Hz / 4=25Hz / 5=1Hz / 6=0.1Hz)
2675	LsrLvlCT	Module_Is_LTH_Type	Module_Is_LTH_Type	-	uInt16	1	1	Level Cut Time for Network Index 0 laser unit (time before Max/Min output fallback state when out of range).
2676	LsrLvlCT	Module_Is_LTH_Type	Module_Is_LTH_Type	-	uInt16	1	1	Level Cut Time for Network Index 1 laser unit (time before Max/Min output fallback state when out of range).

SOLARTRON ORBIT ACS ENUMERATIONS

Enumeration Name	Value 0	Value 1	Value 2	Etc																			
PRODUCT_TYPE	???	SI100	SI200	None	SI400																		
ACCESS_LEVEL	Level 0	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7															
DispDir	Down	Left	Up	Right																			
Units	MM	Inch	Mil																				
CHANCOND_Mode	ABS	ZERO	PRE																				
PEAK_MODE	TRACK	PEAK+	PEAK-																				
READING_STATUS	Ok	n/a	n/a	n/a	n/a	n/a	n/a	n/a															
OFF_ON	Off	On																					
NPN_PNP	NPN	PNP																					
DI_CONFIG	ActLo	ActHi																					
OK_ERROR	Ok	Error																					
STD_FB_TYPE	Off	Add	Subtract	Multiply	Divide	>	<																
LANGUAGES	English	French	German	Spanish																			
NO_YES	No	Yes																					
PROTOCOLS	Off	ModbsRTU	OrbitACS	SI1500	SI3500	C55																	
RS232RS485	RS485	RS232																					
PARITY	None	Even	Odd																				
BAUD	300	600	1200	2400	4800	9600	19200																
COMPUTATION_MODE	Off	A	MxA-MnA	B	A+B	A-B	(A+B)/2	(A-B)/2															
MANUAL_AUTO	Manual	Auto																					
DO_CONFIG	PHiAlm	PLoAlm	PAllOk	PRngeErr	SHiAlm	SLoAlm	SAllOk	SRngeErr															
COMMSWORDLENGTH		8	9																				
COMMSSTOPBITS	0.5	1	1.5	2																			
USER_ACTION	Idle	Activate																					
ORBIT_MODE	Auto	ReadCycle	Notify1	Notify++	Init	RstClear	Ready																
LOCK_.UNLOCKED_LOCKED	UnLocked	Locked																					
ORBIT_RESOLUTION	14Bit	16Bit	18Bit																				
ORBIT_AVERAGING	1 Cycl	2 Cycl	4 Cycl	8 Cycl	16 Cycl	32 Cycl	64 Cycl	128 Cycl															
ORBIT_MODULE_STATUS	NotUsed	NotResp.	Init	ReadWait	Online	Offline																	
ORBIT_MODULE_TYPE	NotUsed	DP	AIM	LE	LTH																		
BUTTON_ACTIONS	Off	PriTRACK	PriPEAK+	PriPEAK-	PriPKRST	PriABS	PriZERO	PriPrset															
ORBIT_NW_GUI_MODE	Off	On																					
ACSASCIIMODE	POutput	SOutput	Both																				
ACSASCIIMODESI400	ChA	ChB	ChC	ChD	All																		
LASER_FILTER	20KHz	4KHz	1KHz	200Hz	25Hz	1Hz	0.1Hz																
DO_CONFIG_SI400	AnyAlm	NoAlms	AnyHiAlm	AnyLoAlm	ChAHiAlm	ChALoAlm	ChBiAlm	ChBLoAlm															
DI_CONFIG_SI400	Off	RstALL	RstAllMx	RstAllMn	RstAMax	RstAMin	RstBMax	RstBMin															
SI400CHDISPOPT	Value	Max-Min																					

Debug																							
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	URangeA	ORangeA												
AND	OR	NOT	Latch																				
28800	38400	57600	115200																				
MxB-MnB																							
256 Cycl																							
PAMxRST	PAMnRST	PMxMnRST	Print	PBMxRST	PBMnRST	SecTRACK	SecPEAK+	SecPEAK-	SecPKRST	SecABS	SecZERO	SecPrset	SAMxRST	SAMnRST	SBMxRST	SBMnRst	SMxMnRST						
ChCHiAlm	ChCLoAlm	ChDHiAlm	ChDLoAlm																				
RstCMax	RstCMin	RstDMax	RstDMin	Print	PrstALL	ZeroALL	AbsALL	ChA ZERO	ChA PRE	ChA ABS	ChB ZERO	ChB PRE	ChB ABS	ChC ZERO	ChC PRE	ChC ABS	ChD ZERO	ChD PRE	ChD ABS				