

Modbus Register Address	Information	R/W	Type	Size	Description	Notes
30001	Main SW Version of Instrument	R	u8	1		
30002	EEP Version of Instrument	R	u8	1		
30004 to 3009	Location String	R	string[12]	6		Not used in Sensepoint XCL/XRL
30010	Modbus Slave ID	R	u8	1		
30011	Monitor Status	R	u16	1		1 : Normal 2 : Warm Up after power on 3 : in Inhibit 12 : Calibration
30012	Inhibit Current (mA)	R	u8	1		Not used in Sensepoint XCL/XRL
30013	Reserved	R	u16	1		
30014	Active Alarm	R	u32	2		bit 0 Alarm 1 is active bit 1 Alarm 2 is active bit 1 Alarm 3 is active (not used)
30016 to 30017	Latched Alarm	R	u32	2		bit 0 Alarm 1 is latched bit 1 Alarm 2 is latched bit 2 Alarm 3 is latched (not used)
30018 to 30019	Active Fault	R	u32	2		Upper Two Bytes: fault Lower Two Bytes: warning Bit 0 to Bit 15: warning Bit 16 to Bit 31: fault
30020 to 30021	Latched Fault	R	u32	2		Not used
30022 to 30034	Location Tag	R	string[26]	13		Location tag for BLE scanning
40101	System ID Code	R	u16	1		MSB always 0x26 to facilitate automatic identification. LSB repeat of Modbus address.
40102	System ID Code	R	u16	1		Upper Byte : Type Code : 0x26 Lower Byte : MyAddress : Dummy Spacer
40103 to 40104	Gas Reading	R	f32	2		The reported gas concentration in current measurement units. For example, methane at 50% LEL would be reported as 50.0 here. This concentration is forced to last reading before switching into inhibit mode during inhibit mode.
40105	Fault and Warning	R	u8	1		This is the integer representation of the fault status. If any fault exists this will take a value in the range 1200 to 1999. Otherwise, if any warning exists, this will take a value in the range 1 to 999. Normally, this has the value zero.

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40106	Alarm, Fault and Warning State	R	u8	1	This register contains 4 meaningful bits regarding the presence of alarms or faults. The bit assignments are as follows: Bit 0: AL1 active Bit 1: AL2 active Bit 4: Warning active Bit 6: Fault Active All others: For future expansion	bit 0 Alarm 1 is active bit 1 Alarm 2 is active bit 2,3 for future expansion bit 4 Warning is active bit 5 Fault is active bit 6,7 for future expansion Note: Latching relay setting latches Modbus values in register 40006.
40107	Monitor State Monitoring	R	u8	1		1 : Normal 2 : Warm Up after power on 3 : in Inhibit 12 : Calibration
40108	Heart Beat	R	u16	1	This Heartbeat is provided to facilitate detection of communications problems in programming environments where the transport layer communication error information is unavailable. This increments approximately every 5 seconds. It is the responsibility of the system integrator to notify plant personnel if a Modbus master fails to communicate with the Sensepoint XCL/XRL. This register can facilitate this notification	
40109 to 40110	Calibration Due	R	f32	2	This indicates the time remaining before the ECC sensor must be calibrated or replaced. Calibration interval - DaysPassedSinceLastSuccessfulCal	
40111	Measuring Unit	R	u8	1	iMeasurementUnits	0x00 : blank (no measurement unit) 0x01 : 0x02 : mA 0x03 : mg/m3 0x04 : g/m3 0x05 : 0x06 : ppm 0x07 : kppm 0x08 : LEL-m 0x09 : A 0x0A : dB 0x0B : dBA 0x0C : ppm-m
40112 to 40113	Peak Reading	R	f32	2	Peak Reading	Peak Reading
40114	Relay Fitted	R	u16	1	Relay Fitted	0x00: Relay not fitted, 0x01: Relay fitted
40115	BLE Fitted	R	u16	1	BLE Fitted	0x00: BLE not fitted, 0x01: BLE fitted

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40116	Reserved	R	u16	1		
40117	Temperature (Degrees C)	R	s16	1	Transmitter temperature	
40118 to 40122	Reserved					
40123 to 40131	Date and Time	R	string[18]	9	Format is "mm/dd/yy hh:mm:ss"	
40132	Sensor Type	R	u8	1	0x00: ECC 0x01: FL CAT 0x02: IR 0x03: PID 0x04: MOS	
40133 to 40136	Reserved					
40137 to 40138	Microcontroller Operating Voltage	R	f32	2		
40139 to 40140	Microcontroller Reference Voltage	R	f32	2		
40141	BLE Connection Status	R	u8	1		0x00: Not connected, 0x01: Connected
40142 to 40145	Reserved					
40146 to 40152	Gas Name String	R	string[14]	7		
40153	Temperature (Degrees C)	R	s16	1	Transmitter temperature, duplicate	
40154	Temperature (Degrees F)	R	s16	1		
40155	Calibration Due	R	u16	1	Calibration interval - DaysPassedSinceLastSuccessfulCal	
40156	Relay Status	R	u8	1		High nibble : Relay 2 status Low nibble : Relay 1 status 1 : Energized, 0 : De-energized
40157	Supply Voltage	R	f32	2	The voltage supplied to the Sensepoint XCL/XRL at the nominal 24.0 volt input, in millivolts.	
40158	Reserved					
40159	Calibration Interval	R	u16	1		
40160	Alarm Type	R	u8	1		High nibble : Alarm 2 Type Low nibble : Alarm 1 Type 0: Disable, 1: Rising, 2:Falling
40161	Inhibit Timeout	R	u16	1		Not used in Sensepoint XCL/XRL
40162	Relay Configuration	R	u8	1	1011	Bit: 0 to 1: Relay Type 1 (0: Fault, 1: Alarm1, 2: Alarm2) Bit: 2 to 3: Relay Type 2 (0:Fault, 1: Alarm1, 2: Alarm2) Bit: 4: Initial Relay Status 1 (0: De-energized, 1: Energized) Bit: 5: Initial Relay Status 2 (0: De-energized, 1: Energized)

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40163	Relay On Delay Time	R	u16	1		
40164	Relay Off Delay Time	R	u16	1		
40165 to 40166	User configured full scale range	R	f32	2		Display Range (Full Scale)
40167 to 40168	Alarm Threshold 1	R	f32	2		
40169 to 40170	Alarm Threshold 2	R	f32	2		
40171 to 40172	Target Calibration Gas Concentration	R	f32	2		
40173	Gas Type	R	u16	1		0x00: Flammable 0x01: Toxic 0x02: O2 0x03: VOC
40174 to 40175	Voltage Output	R	f32	2		
40176 to 40183	Device Serial Number	R	string[16]	8		
40184 to 40188	BLE FW Version	R	string[10]	5	BLE FWVersion	
40189 to 40200	Reserved					
40201	Reset Alarms & Faults	W	u16	1		
40202 to 40207	Reserved					
40208 to 40213	Raw A/D Counts	R	u16[6]	6		

# Appendix H

## Contact Information

For more contact information, visit [www.honeywellanalytics.com](http://www.honeywellanalytics.com).

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