

# XL SERIES PC MENU TREE

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Note: Based on H-350XL with SD/USB memory option, Slight variations may be noticed with other XL series devices.

**H-350 XL Main Menu**

- V - View Status
- I - Sensor Input Options
- D - Data Options
- O - Output Options
- S - Scan Options
- C - Configure System
- A - Accessory Setup
- E - Enter Command Mode
- X - Exit

Enter Option >

**View Status Screen (Esc to Return)**

Time:	HH:MM:SS	Log	Source/	Log			
Date:	MM/DD/YY	Col #	Header Value				
Scanning:	Off						
Next Scan:	XX:XX:XX	1	MM/DD/YY	XX/XX/XX	16	WD	X.XX
GOES Mode:	Off	2	HH:MM:SS	XX:XX:XX	17	RN T HR	XX.XX
FailSafe:	N/A	3	HrTemp	XX.XX	18	RN T Day	XX.XX
		4	Max TmpH	XX.XX	19	Solar Hr	X.XX
		5	Min TmpH	XX.XX	20	Sunshine	X.XX
Battery:	XX.X	6	Max TmpD	XX.XX	21	BatteryH	X.XX
Batt Max:	XX.X	7	Min TmpD	XX.XX	22	BatteryMax	X.XX
Batt Min:	XX.X	8	RH Hour	XX.XX	23	BatteryMin	X.XX
System Resets:	XX.X	9	RH Max	HXX.XX			
		10	RH MinH	XX.XX			
Site ID:	Site_ID	11	RH MaxD	XX.XX			
Serial #:	S#001000	12	RH MinD	XX.XX			
Version:	4.14a	13	RH - 8:30	X.XX			
		14	RH - 17:30	X.XX			
		15	WS - M/S	XX.XX			

C - Checksum Test  
M - Measure  
R - Reset Batt Max, Batt Min, & System Resets

Enter Option >

**Stage, Temperature Setup (Esc to Return)**

S - Stage: XX.XXX  
O - Offset: 0.000  
U - Units: Feet  
A - Averaging Time: 1 Seconds

Temperature: XX.XX  
T - Temp Units: Deg C

M - Measure

Enter Option >

**Counter, Frequency Setup (Esc to Return)**

C - Counts (Int): X.XX  
T - Total Counts: X.XX  
S - Slope: 0.01  
I - Cnt Interval: Daily  
M - Counter Mode: Count Daily  
W - Rate Win Size: 15  
D - Debounce Time: 5 mS  
R - Reset Counters

Frequency: X.XX  
F - Freq Slope: 1.0000  
O - Freq Offset: 0.0000

Enter Option >

**Sensor Input Options (Esc to Return)**

Stage: XX.XX Feet  
Temperature: XX.XX Deg C

Counts (Int): X.XX  
Total Counts: X.XX  
Frequency: X.XX

Digital I/O #1: 1 (Digital Input)  
Digital I/O #2: 1 (Digital Input)

Analog 1: X.XXX    Analog 3: X.XXX  
Analog 2: X.XXX    Analog 4: X.XXX

S - Stage / Temperature Setup  
C - Counter / Frequency Setup  
D - Digital I/O Setup  
A - Analog Input Setup  
M - Measure (Stage, Temp)  
G - Generic SDI-12 Options  
H - Advanced SDI-12 Set Up

Enter Option >

**Digital I/O Setup (Esc to Return)**

Digital I/O #1: 1  
A - I/O Mode: Digital Input  
B - Trigger When: 0  
C - Pulse Length: 1000 ms  
D - Warm Up Delay: 250 ms  
1 - Test Output 1:

Digital I/O #2: 1  
E - I/O Mode: Digital Input  
F - Trigger When: 0  
G - Pulse Length: 1000 ms  
H - Warm Up Delay: 250 ms  
2 - Test Output 2:

O - Encoder Out Source: None  
V - Encoder In Value: X.XXX  
S - Encoder In Slope: 0.010

Enter Option >

**Data Options (Esc to Return)**

Internal SDI Card Status: Ok (XX.X% Full)  
External SDI Card Status: Ok (XX.X% Full)  
USB Thumb Drive: Not Installed

C - Copy Data To Card  
T - Transmit Data  
N - Transmit New Data  
E - Erase All Data  
F - Erase Individual Files  
D - Directory Of Files  
V - View End Of Data Files  
O - Enter Field Notes

Enter Option >

**Analog Input Setup (Esc to Return)**

Analog 1: XX.XXXX	Analog 2: XX.XXX	Analog 3: XX.XXX	Analog 4: XX.XXXX
A - Slope: XXX.XXX	E - Slope: XXX.XXX	I - Slope: XX.XXX	M - Slope: XX.XXX
B - Offset: XX.XXX	F - Offset: XX.XXX	J - Offset: XX.XXX	N - Offset: XX.XXX
C - Samples: 500	G - Samples: 500	K - Samples: 500	O - Samples: 500
D - Range: 5.0 V	H - Range: 5.0 V	L - Range: 5.0 V	P - Range: 5.0 V

X - Diff. Mode : Off

Enter Option >

**Generic SDI-12 Options (Esc to Return)**

T - Test Address: 0            Using Standard SDI Connection  
A - Acknowledge  
I - Identify  
V - Verify  
M - Measure  
C - Concurrent Meas  
D - Data Retrieval  
S - Send Extended  
E - Edit Extended: 0  
F - Full Screen Transparent/Monitor Mode  
L - Look for Sensors

Enter Option >

**Advanced SDI-12 Setup (Esc to Return)**

T - Time Out Value: 0.000  
U - Use Time Out Value: Yes  
R - Reset to Default:  
S - Scan Sensor

Advanced SDI-12 Task #			
Task Number	1	2	3 . . . . . 10
A - Address	0	0	0 . . . . . 0
P - Parameter	1	1	1 . . . . . 1
M - Meas Type	M	M	M . . . . . M
C - Com Port	SDI-12	SDI-12	SDI-12 . . . SDI-12
L - Slope	1.000	1.000	1.000 . . . 1.000
O - Offset	0.000	0.000	0.000 . . . 0.000
V - Value	0.000	0.000	0.000 . . . 0.000

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Output Options (Esc to Return)

- L - Logging Options
- P - Auto Print: Off
- G - GOES Radio Options
- R - Remote Display Options
- V - Voice Modem Options
- A - Alert Radio Options
- F - 4-20 MilliAmp Output Options
- C - Alarm Call Out Options
- M - Modbus Out Options

Enter Option >

Remote Display (Esc to Return)

- S - Source: None
- L - Label: Stage =
- P - Port: X

Enter Option >

Voice Modem (Esc to Return)

- M - Modem Type: (older) H219
- V - Voice Modem: Off
- R - Update Rate: HH:MM:SS
- Column # | [1] | [2] | [3] .....[10]

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- S Source: | None | None |
- Reserved: | None | None |
- Reserved: | None | None |
- Reserved: | None | None |
- Reserved: | None | None |

-> Next  
-<- Previous

Logging Options (Esc to Return)

- L - Logging: On
- N - .NEW File: None
- T - Data Format: Normal
- W - Wrap Mode: Disabled
- A - All Log: Rates to Scan Rate
- B - Scan Rate = XX:XX:XX

Est. Years To Fill Memory: XXX

Column #	01	02	03	04	05	06 ... 25
S - Source:	Date	Time	Stage	PtTemp	Batt	None...
H - Header:	MM/DD/YY	HH:MM:SS	Stage	PtTemp	Battery	
R - Log Rate:	XX:XX:XX	....				
D - Digits:	2	....				
F - Function:	NOW	....				
U - Stat Scrn:	No	No	Yes	Yes	Yes	No....

I - Insert Column  
E - Delete Column  
-> Next  
-<- Previous

Enter Option >

GOES Radio Options (Esc to Return)

GOES Radio Type: SE-1200

Time to ST Txd:

Next ST Txd At:

- M - Mode: Off
- A - Address: XXXXXXXX
- T - Time (UTC): HH:MM:SS
- P - Preamble: Short
- S - Self Timed Options
- R - Random Options
- D - Diagnostic Menu
- F - Reset GOES Options to Factory Defaults

Enter Option >

Self Timed Options (Esc to Return)

- C - Channel Number: 000
- R - Transmit Rate: HH:MM:SS
- O - Tx Offset Time: HH:MM:SS
- W - Self Timed Window: 15
- I - Center data In Window: No
- B - Self Timed BaudRate: 300
- F - Data Format: SHEF
- D - Data Order: SCAN
- N - Data Sent First: Newest
- H - Send SHEF Headers: No
- A - Append 1 Battery Scan: No
- S - Redundant Data Sets: 1
- T - Transmit Options
- V - View XL Buffer Data

Radio Buffer Byte Count: XXX  
XL Buffer Byte Count: XXX of XXX Bytes Max  
Estimated Transmit time: XX Seconds

Enter Option >

ST Transmit Options (Esc to Return)

A - All Meas. Rates Set To Scan Rate:

Scan Rate: HH:MM:SS

Column	01	... 20
S - Source:	None	....
C - SHEF Code:		
R - Meas. Rate:	HH:MM:SS	....
F - Format:	XX.XX	....

I - Insert Column  
E - Delete Column  
L - Set Based on Log Options

-> Next  
-<- Previous

Enter Option >

ALERT Radio Options (Esc to Return) / ? for Help)

- A - ALERT Radio: Off
- O - Time TX Offset: HH:MM:SS

Column	1	2 ... 20
S - Source:	None	....
I - ALERT ID:	XXXX	....
R - Range	20.47	....
Diviser	100.000	....
Base	0.000	....
D - Data Function:	NOW	....
T - Timed Txd Rate:	8 Hours	....
M - Trigger Mode:	Off	....
P - Trigger Point:	X.XX	....
H - HoldOff Minutes:	XX	....
Q - Hold Off Trg Pt:	X.XX	....
F - Force Transmission:		

-> Next  
-<- Previous

Enter Option >

Random Options (Esc to Return)

- C - Channel Number: 000
- R - Transmit Rate: HH:MM:SS
- B - Random BaudRate: 100
- A - Alarm Condition: 0
- T - Transmit Options
- F - Force Random Transmission
- Buffer Byte Count: X

Enter Option >

RR Transmit Options (Esc to Return)

Column #	01	02	03	04	05
S - Source:	None	.....			

-> Next  
-<- Previous

Enter Option >

4 to 20 MilliAmp Output Options (Esc to Return)

Current Milliamp Output: Not Enabled

- S - Data Source: None
- H - Maximum Level: 20.000
- L - Minimum Level: 4.00 0

Enter Option >

Alarm Call Out Options

- A - Alarms Enabled: No
- N - Number of Retries: 0

Column	1	2 ... 10
S - Source:	None	....
M - Trigger Mode:	>Set Pt	....
T - Trigger Point:	1.000	....
R - Reset Point:	0.000	....
I - I D Tag:	A11	A12 ... A110
B - Site Number:	0	....
C - Connection:	Direct	....
P - Phone #/ Address:	N/A	....
Active Tries	No / 0	....
F - Force Transmission		

--> Next  
-<- Previous

Enter Option >

Modbus Setup

>Last Command At HH:MM:SS

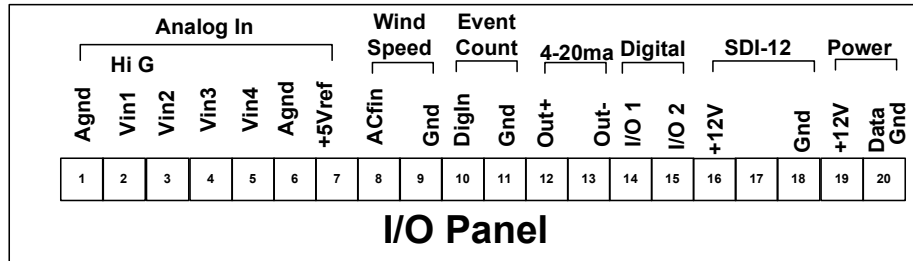
- M - Mode: Off
- A - Address: 1
- B - Baud Rate: 19200
- P - Parity: Even
- L - Low Power Timeout: 30

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**H-350 XL Main Menu**  
V - View Status  
I - Sensor Input Options  
D - Data Options  
O - Output Options  
S - Scan Options  
C - Configure System  
A - Accessory Setup  
E - Enter Command Mode  
X - Exit  
Enter Option >



**Scan Options (Esc to Return)**  
Current Time: HH:MM:SS  
Next Scan: HH:MM:SS  
S - Scanning: Off  
R - Scan Rate: HH:MM:SS  
O - Scan Offset Time: HH:MM  
N - Next Scan At: HH:MM:SS  
F - Start New File:  
Enter Options >

**System Setup (Esc to Return)**  
T - Time: HH:MM:SS  
D - Date: MM/DD/YY  
E - Date Fmt: MM/DD/YY  
I - Site ID: Site\_ID  
A - Advanced Setup Options  
M - SDI Sensor Mode Setup  
L - SDI Logger Mode Setup  
P - Port Setup  
C - Configuration Files  
R - Reset Defaults  
G - Sync Time Options  
F - Functions Menu  
B - XL-Basic Code Menu  
U - Update Firmware  
Enter Option >

**Accessory Setup (Esc to Return)**  
P - H355 Gas Purge Setup  
A - H3553 Gas Purge Setup  
L - Look for H3553  
Enter Option >

**Gas Purge Setup (Esc to Return)**  
Last Purge At: MM/YY HH:MM  
Tank Pressure: X.XX PSI  
Line Pressure: X.XX PSI  
B - Bubble Rate: 60 Per Minute  
P - Purge Pressure: 40 PSI (92.27 feet)  
D - Purge Duration: 70 Seconds  
S - Timed Purge: 0 Days  
M - Manual Purge  
N - Number of Purges: XXX  
U - Update All Values  
Enter Option >

**Advanced System Setup Options**  
W - Welcome Message: #Sign On Message  
E - PassWord Enabled: No  
P - Password: #123  
T - System Timeout: 300  
A - AutoOff Enabled: Yes  
B - Side Button Mode: Hold to Update  
U - User Mode: Normal  
D - Excitation Delay: 0  
S - Switched Excitation On: Always  
G - GOES Radio Type: SE-1200  
C - Data Card Type  
Enter Option >

**SDI-12 Logger Mode Setup (Esc to Return) / ? for Help**  
T - No Response Timeout Value: 0.00  
R - Reset to SDI -12 Logger Mode Defaults  
V - View Current SDI-12 Values  
a M- Adrs (a) Measurement Type  
a P - Adrs (a) Serial Port  
a A - Adrs (a) Redirect Option

SDI-12 Address	Measure Type	Port	Address Redirected
0 -	M	SDI-12	0 Ok
9 -	M	SDI-12	9 Ok

Enter Option >

**Configuration Files Menu (Esc to Return)**  
C - Create CFG File In Memory  
S - Setup From CFG File In Memory  
Enter Option >

**Time Sync Options (Esc to Return)**  
Last Sync On: XX/XX  
GOES Time: XX:XX:XX  
Logger Time: XX:XX:XX  
Date: MM/DD/YY  
O - Time Ofst: XX:XX:XX  
S - Sync: Sync Disabled  
N - Sync Time Now  
Enter Option >

**Sensor Mode Setup (Esc to Return)**  
SDI-12 Sensor Mode Status: Enabled  
A - SDI-12 Address: 0  
T - Total Measurement Time: X  
1 - Parameter 1: Stage B - Digits:2  
2 - Parameter 2: PSI |  
3 - Parameter 3: PtTemp |  
4 - Parameter 4: None E - Digits:2  
| |  
9 - Parameter 9: None J - Digits:2  
Enter Option >

**Port Setup (Esc to Return)**  
B - Baud Rate, Com1: 9600  
Com2: 9600  
Com3: 9600  
S - StartUp Mode, Com1: Menu Mode  
Com2: Off  
Com3: Off  
F - Flow Control: SW  
C - Character Delay: 000  
L - Line Feed Delay: 000  
T - Terminal Emulation: VT-100  
Q - Quiet Mode: Off  
D - Quiet Mode Duration: 015  
Enter Option >

**Functions Menu 31 to 40 (Esc to Return)**  
**Functions Menu 21 to 30 (Esc to Return)**  
**Functions Menu 11 to 20 (Esc to Return)**  
**Functions Menu 01 to 10 (Esc to Return)**  
1 - Fnt01 = 0  
|  
9 - Fnt09 = 0  
0 - Fnt10 = 0  
N - Next  
V - View Values  
Enter Option >

**XL-Basic Code Options (Esc to Return)**  
L - Load Code: From PC Card to Memory:  
G - Get Code: From Memory to PC Card:  
V - View BASIC Program

PgmNumber	PgmName	PgmValue
1 - Test XL-Basic1:		X.XXXX
2 - Test XL-Basic2:	TILTMTR	
5 - Test XL-Basic5:		X.XXXX

S - Single Step Mode: Disabled  
Enter Option >