

ScanLog 96 PC Interface Version

Single / Dual Channels
Universal Process Data Logger with PC Software

Operation Manual

This brief manual is primarily meant for quick reference to wiring connections and parameter searching. For more details on operation and application; please log on to www.ppiindia.net

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OPERATOR PARAMETERS	
Parameters	Settings
Batch Start	No Yes
Batch Stop	No Yes

ALARM SETTINGS	
Parameters	Settings (Default Value)
Select Channel <i>(Available only for Dual Channel Version)</i>	1 or 2
Select Alarm	AL1, AL2, AL3, AL4 (The actual available options depends on the numbers of Alarms set per channel on Alarm configuration page)
ALx Type <i>x = 1, 2, 3 or 4</i>	None Process Low Process High (Default : None)
ALx Setpoint <i>x = 1, 2, 3 or 4</i>	Min. to Max. of selected input type range (Default : 0)
ALx Hysteresis <i>x = 1, 2, 3 or 4</i>	1 to 30000 (Default : 20)
ALx Inhibit <i>x = 1, 2, 3 or 4</i>	No Yes (Default : No)

DEVICE CONFIGURATION	
Parameters	Settings (Default Value)
Scan Rate	1 Sec. to 99 Sec. (Default : 3 Sec.)
Delete Records	No Yes (Default : No)
Recorder ID	1 to 127 (Default : 1)

CHANNEL CONFIGURATION	
Parameters	Settings (Default Value)
Select Channel <i>(This parameter is available for Dual Channel Version only)</i>	1 or 2
Input Type	Refer Table 1 (Default : 0 to 10 V)
Resolution	Refer Table 1

Parameters	Settings (Default Value)		
Units	Refer Table 2 (Default : °C)		
Signal Low	Input Type	Settings	Default
	0 to 20mA	0.00 to Signal High	0.00
	4 to 20mA	4.00 to Signal High	4.00
	0 to 80mV	0.00 to Signal High	0.00
	0 to 1.25V	0.000 to Signal High	0.000
	0 to 5V	0.000 to Signal High	0.000
	0 to 10V	0.00 to Signal High	0.00
	1 to 5V	1.000 to Signal High	1.000
Signal High	Input Type	Settings	Default
	0 to 20mA	Signal Low to 20.00	20.00
	4 to 20mA	Signal Low to 20.00	20.00
	0 to 80mV	Signal Low to 80.00	80.00
	0 to 1.25V	Signal Low to 1.250	1.250
	0 to 5V	Signal Low to 5.000	5.000
	0 to 10V	Signal Low to 10.00	10.00
	1 to 5V	Signal Low to 5.000	5.000
Range Low	-30000 to +30000 (Default : 0.0)		
Range High	-30000 to +30000 (Default : 1000)		
Low Clipping	Disable Enable (Default : Disable)		
Low Clip Val	-30000 to High Clip Val (Default : 0)		
High Clipping	Disable Enable (Default : Disable)		
High Clip Val	Low Clip Val to 30000 (Default : 1000)		
Zero Offset	-30000 to +30000 (Default : 0)		

ALARM CONFIGURATION	
Parameters	Settings (Default Value)
Alarms/Chan	1 to 4 (Default : 4)
Relay-1 Logic Relay-2 Logic	Normal Reverse (Default : Normal)

RECORDER CONFIGURATION	
Parameters	Settings (Default Value)
Normal Interval	0:00:00 (H:MM:SS) to 2:30:00 (H:MM:SS) (Default : 0:00:30)
Zoom Interval	0:00:00 (H:MM:SS) to 2:30:00 (H:MM:SS) (Default : 0:00:10)
Alrm Toggl Rec	Disable Enable (Default : Enable)
Recording Mode	Continuous Batch (Default : Continuous)
Batch Time	0:01 (HH:MM) to 250:00 (HHH:MM) (Default : 1:00)
Batch Start Batch Stop	No Yes

RTC SETTING	
Parameters	Settings
Time (HH:MM)	0.0 to 23:59
Date	1 to 31
Month	1 to 12
Year	2000 to 2099

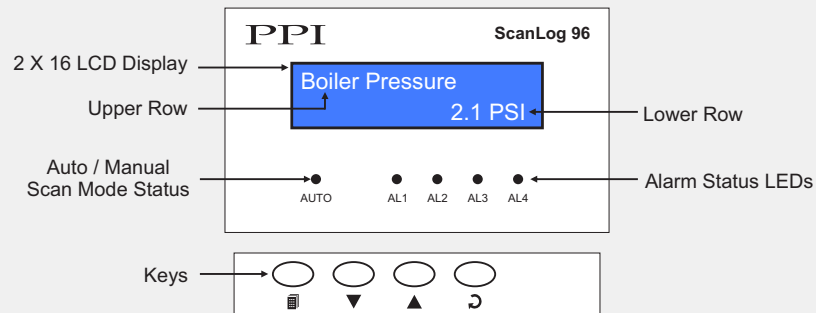
UTILITIES	
Parameters	Settings (Default Value)
Lock Unlock	No Yes (Default : No)
Factory Default	No Yes (Default : No)

TABLE - 1		
Option	Range (Min. to Max.)	Resolution & Unit
Type J (Fe-K)	0.0 to +960.0°C / +32.0 to +1760.0°F	1 °C /°F or 0.1 °C /°F
Type K (Cr-Al)	-200.0 to +1376.0°C / -328.0 to +2508.0°F	
Type T (Cu-Con)	-200.0 to +387.0°C / -328.0 to +728.0°F	
Type R (Rh-13%)	0.0 to +1771.0°C / +32.0 to +3219.0°F	
Type S (Rh-10%)	0.0 to +1768.0°C / +32.0 to +3214.0°F	
Type B	0.0 to +1826.0°C / +32.0 to +3218.0°F	
Type N	0.0 to +1314.0°C / +32.0 to +2397.0°F	
Reserved for customer specific Thermocouple type not listed above. The type shall be specified in accordance with the ordered (optional on request) Thermocouple type.		
RTD Pt100	-199 to +600 °C / -328 to +1112 °F or -199.9 to +600.0 °C / -328.0 to +1112.0 °F	1°C or 0.1 °C
0 to 20 mA	-30000 to 30000 units	1 Unit 0.1 Unit 0.01 Unit 0.001 Unit
4 to 20 mA		
0 to 80 mV		
Reserved		
0 to 1.25 V	-30000 to 30000 units	
0 to 5 V		
0 to 10 V		
1 to 5 V		

TABLE - 2	
Option	Description
°C	Degree Centigrade
°F	Degree Fahrenheit
(none)	No Unit (Blank)
°K	Degree Kelvin
EU	Engineering Units
%	Percentage
Pa	Pascals
Mpa	Mpascals
kPa	Kpascals

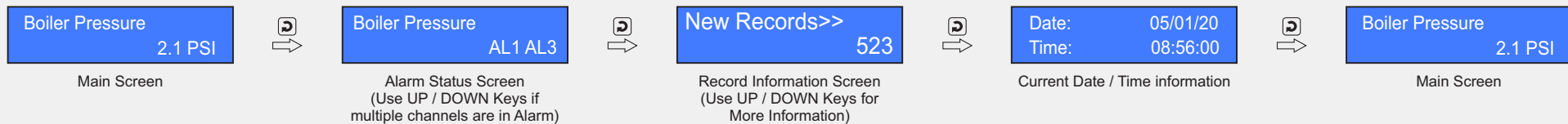
Option	Description
bar	Bar
mbar	Milli bar
psi	PSI
kg/sq.cm	kg/cm²
mmH₂O	mm water gauge
inH₂O	Inches water gauge
mmHg	mm mercury
Torr	Torr
litre/hr	Litres per hour
litre/min	Litres per minute
%RH	% Relative Humidity
%O²	% Oxygen
%CO²	% Carbon di-oxide
%CP	% Carbon Potential
V	Volts
A	Amps
mA	Milli Amps
mV	Milli Volts
ohm	Ohms
ppm	Parts per million
rpm	Revolutions per minute
mSec	Milli seconds
Sec	Seconds
min	Minutes
hrs	Hours
PH	PH
%PH	%PH
miles/hr	Miles per hour
mg	Milli grams
g	Grams
kg	Kilo grams

FRONT PANEL DISPLAY & KEYS



Symbol	Key	Function
	SET-UP	Press to enter / exit Set-up Mode.
	DOWN	Press to decrease the parameter value. Pressing once decreases the value by one count; holding the key pressed speeds up the change.
	UP	Press to increase the parameter value. Pressing once increases the value by one count; holding the key pressed speeds up the change.
	ENTER / Alarm ACK	Press to store the set parameter value and to scroll to the next parameter in Set-up Mode. Press to acknowledge / mute alarm output (if active).

SCROLLING THROUGH VARIOUS SCREENS



AUTO / MANUAL SCAN MODE SELECTION

Press ENTER key for approximately for 5 Seconds to toggle between Auto & Manual Scan Mode. In Manual Mode use UP / DOWN Keys to Select Channels.

ELECTRICAL CONNECTIONS

*Notes:

1. Analog Input 2 connections (terminals 23 to 28) are applicable only for Dual Channel version.
2. Excitation Voltage output (terminals 15 & 22) is available optionally.
3. Serial Commutation Port (terminals 11 & 12) is available for PC Interface Version only.

