

# 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](http://www.ppiindia.net)

101, Diamond Industrial Estate, Navghar,  
Vasai Road (E), Dist. Palghar - 401 210.  
Sales : 8208199048 / 8208141446  
Support : 07498799226 / 08767395333  
E: [sales@ppiindia.net](mailto:sales@ppiindia.net), [support@ppiindia.net](mailto:support@ppiindia.net)

Jan 2022

| OPERATOR PARAMETERS |           |
|---------------------|-----------|
| Parameters          | Settings  |
| Batch Start         | No<br>Yes |
| Batch Stop          | No<br>Yes |

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

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

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

| Parameters    | Settings (Default Value)                  |                      |         |
|---------------|---|----------------------|---------|
| Units         | Refer Table 2<br>(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<br>(Default : 0.0)       |                      |         |
| Range High    | -30000 to +30000<br>(Default : 1000)      |                      |         |
| Low Clipping  | Disable<br>Enable<br>(Default : Disable)  |                      |         |
| Low Clip Val  | -30000 to High Clip Val<br>(Default : 0)  |                      |         |
| High Clipping | Disable<br>Enable<br>(Default : Disable)  |                      |         |
| High Clip Val | Low Clip Val to 30000<br>(Default : 1000) |                      |         |
| Zero Offset   | -30000 to +30000<br>(Default : 0)         |                      |         |

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

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

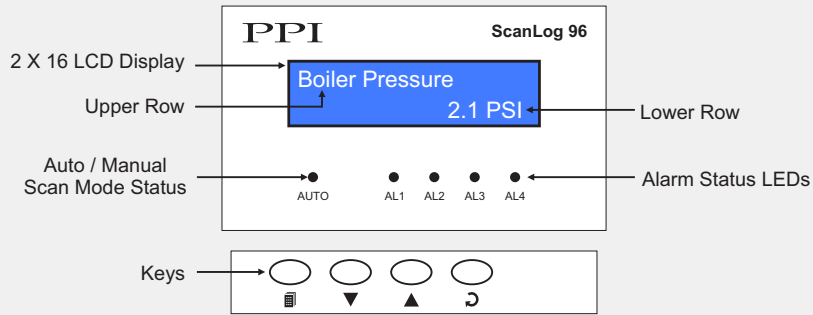
| UTILITIES       |                             |
|-----------------|-----------------------------|
| Parameters      | Settings (Default Value)    |
| Lock            | No                          |
| Unlock          | Yes<br>(Default : No)       |
| Factory Default | No<br>Yes<br>(Default : No) |

| 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<br>or<br>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  | 1 °C<br>or<br>0.1 °C                          |
| 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<br>or<br>-199.9 to +600.0 °C / -328.0 to +1112.0 °F | 1 Unit<br>0.1 Unit<br>0.01 Unit<br>0.001 Unit |
| 0 to 20 mA   | -30000 to 30000 units  |   |
| 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          |

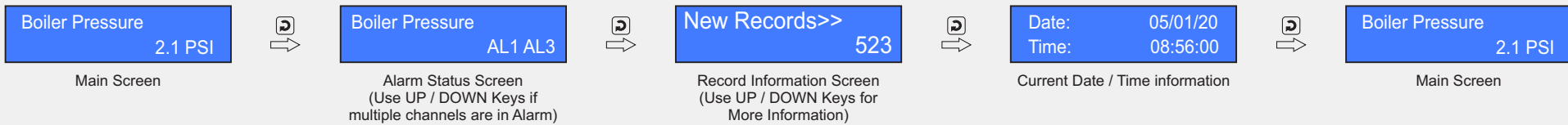
| Option             | Description            |
|--------------------|------------------------|
| bar                | Bar                    |
| mbar               | Milli bar              |
| psi                | PSI                    |
| kg/sq.cm           | kg/cm <sup>2</sup>     |
| mmH <sub>2</sub> O | mm water gauge         |
| inH <sub>2</sub> O | Inches water gauge     |
| mmHg               | mm mercury             |
| Torr               | Torr                   |
| litre/hr           | Litres per hour        |
| litre/min          | Litres per minute      |
| %RH                | % Relative Humidity    |
| %O <sup>2</sup>    | % Oxygen               |
| %CO <sup>2</sup>   | % 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.<br>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:

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

