



PPI ScanLog Multi-Channel Data-Logger Instruction Manual

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PPI

ScanLog Multi-Channel Data-Logger



Product Information: ScanLog (PC) 4 / 8 / 16 Channel Recorder + PC Interface

- Jan 2022
- Operation Manual
- Designed for quick reference to wiring connections and parameter searching
- For more details on operation and application, visit www.ppiindia.net
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Product Usage Instructions:

To use the ScanLog (PC) 4 / 8 / 16 Channel Recorder + PC Interface, follow the steps below:

Operator Parameters:

Set batch start, balance slot time batch stop, and read-only settings. Choose whether or not to enable batch start and batch stop.

Alarm Settings

Select the channel and alarm type. Choose between “None,” “Process Low,” or “Process High” for AL1 type. Set the AL1 setpoint and hysteresis. Choose whether or not to enable AL1 inhibit. The actual available options depend on the numbers of alarms set per channel on the Alarm configuration page.

Device Configuration:

Choose whether or not to delete records. Set the recorder ID from 1 to 127.

Channel Configuration:

Choose whether or not to use all Chan Common settings. Select the channel and input type. Refer to Table 1 for input type settings. Set the signal low, signal high, range low, range high, low clipping, low clip value, high

clipping, high clip value, and zero offset.

Alarm Configuration:

Set the number of alarms per channel from 1 to 4.

Recorder Configuration:

Set the normal interval from 0:00:00 (H:MM:SS) to 2:30:00 (H:MM:SS). Choose whether or not to enable zoom interval, alarm toggle, and recording mode. Choose between “Continuous” or “Batch” mode. Set the batch time, and choose whether or not to enable batch start and batch stop.

RTC Setting:

Set the time (HH:MM), date, month, year, and unique ID number (ignore).

Utilities:

Choose whether or not to lock or unlock the device.

ScanLog (PC)

4 / 8 / 16 Channel Recorder + PC Interface

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

OPERATOR PARAMETERS	
Parameters	Settings
Batch Start	No Yes
Balance Slot Time	Read Only
Batch Stop	No Yes

ALARM SETTINGS	
Parameters	Settings (Default Value)
Select Channel	PC Version For 4C : Channel-1 to Channel-4 For 8C : Channel-1 to Channel-8 For 16C : Channel-1 to Channel-16
Select Alarm	AL1, AL2, AL3, AL4 (The actual available options depends on the numbers of Alarms set per channel on Alarm configuration page)
AL1 Type	None Process Low Process High (Default : None)
AL1 Setpoint	Min. to Max. of selected input type range (Default : 0)
AL1 Hysteresis	1 to 30000 (Default : 20)
AL1 Inhibit	No Yes (Default : No)

DEVICE CONFIGURATION	
Parameters	Settings (Default Value)
Delete Records	No Yes (Default : No)
Recorder ID	1 to 127 (Default : 1)

CHANNEL CONFIGURATION	
Parameters	Settings (Default Value)
All Chan Common	No Yes (Default : No)
Select Channel	PC Version For 4C : Channel-1 to Channel-4 For 8C : Channel-1 to Channel-8 For 16C : Channel-1 to Channel-16

Parameters: Settings (Default Value)
 Input Type: Refer Table 1 (Default : 0 to 10 V)
 Resolution: Refer Table 1

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)
 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)

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)
Alarm 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
Unique ID Number (Ignore)	

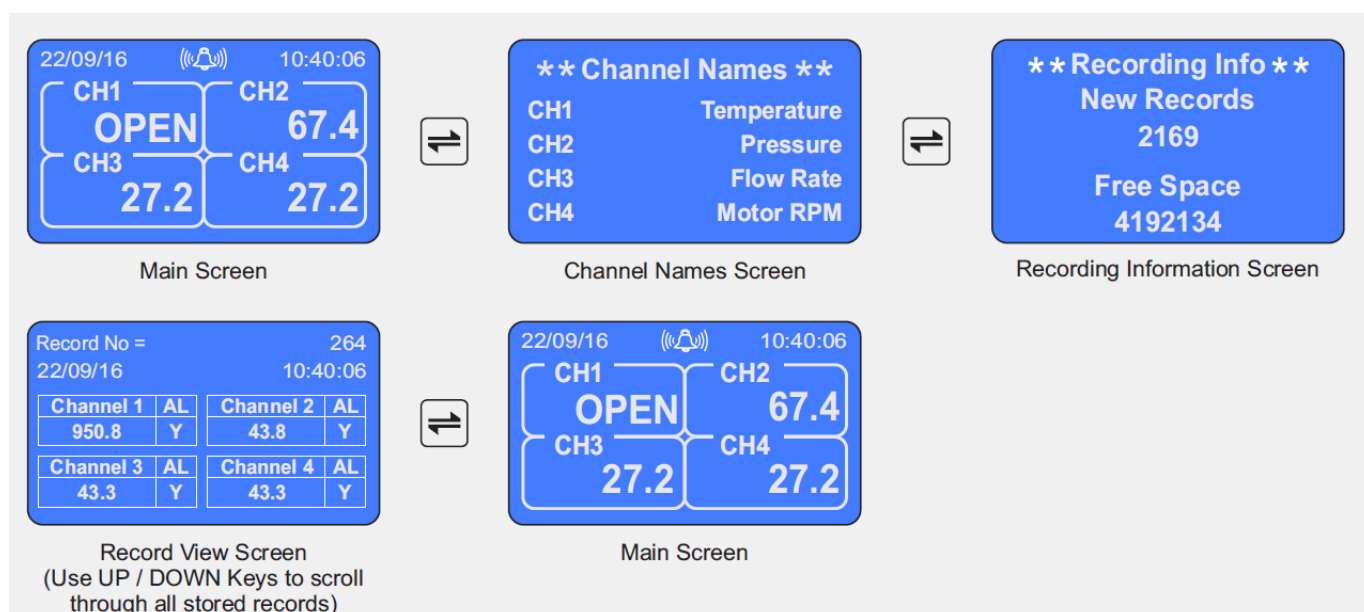
UTILITIES	
Parameters	Settings (Default Value)
Lock Unlock	No Yes (Default : No)
Factory Default	No Yes (Default : No)

TABLE 1		
Option	Range (Min. to Max.)	Resolution & Unit
Type J (Fe-K)	0.0 to +960.0°C	1 °C or 0.1 °C
Type K (Cr-Al)	-200.0 to +1376.0°C	
Type T (Cu-Con)	-200.0 to +387.0°C	
Type R (Rh-13%)	0.0 to +1771.0°C	
Type S (Rh-10%)	0.0 to +1768.0°C	
Type B	0.0 to +1826.0°C	
Type N	0.0 to +1314.0°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	-199.9 to +600.0°C	1°C or 0.1 °C
0 to 20 mA	-30000 to 30000 units	1 0.1 0.01 0.001 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		

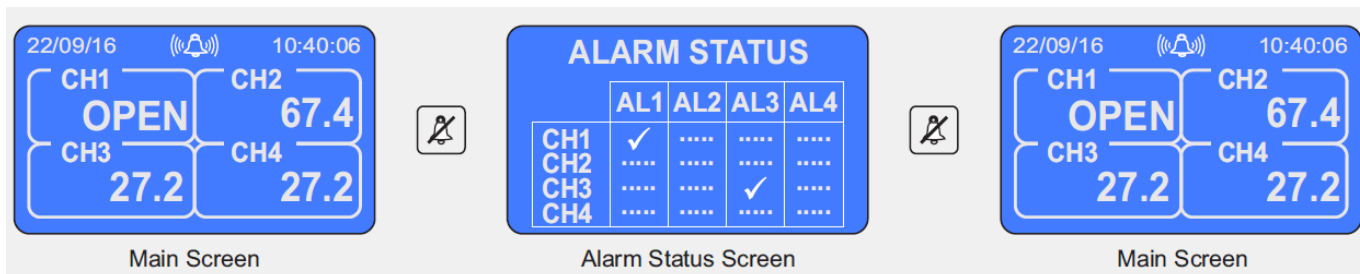
FRONT PANEL KEYS		
Symbol	Key	Function
	Scroll	Press to scroll through various Process Information Screens in Normal Operation Mode.
	Alarm Acknowledge	Press to acknowledge / mute alarm output (if active) & to view Alarm Status screen.
	DOWN	Press to decrease the parameter value. Pressing once decreases the value by one count; keeping pressed speeds up the change.
	UP	Press to increase the parameter value. Pressing once increases the value by one count; keeping pressed speeds up the change.
	SET-UP	Press to enter or exit set-up mode.
	ENTER	In Run Mode, press to toggle between Auto & Manual Scan Mode. (Only for 16 Channel version) In Set-up Mode, press to store the set parameter value and to scroll to the next parameter.

SCROLLING THROUGH VARIOUS SCREENS

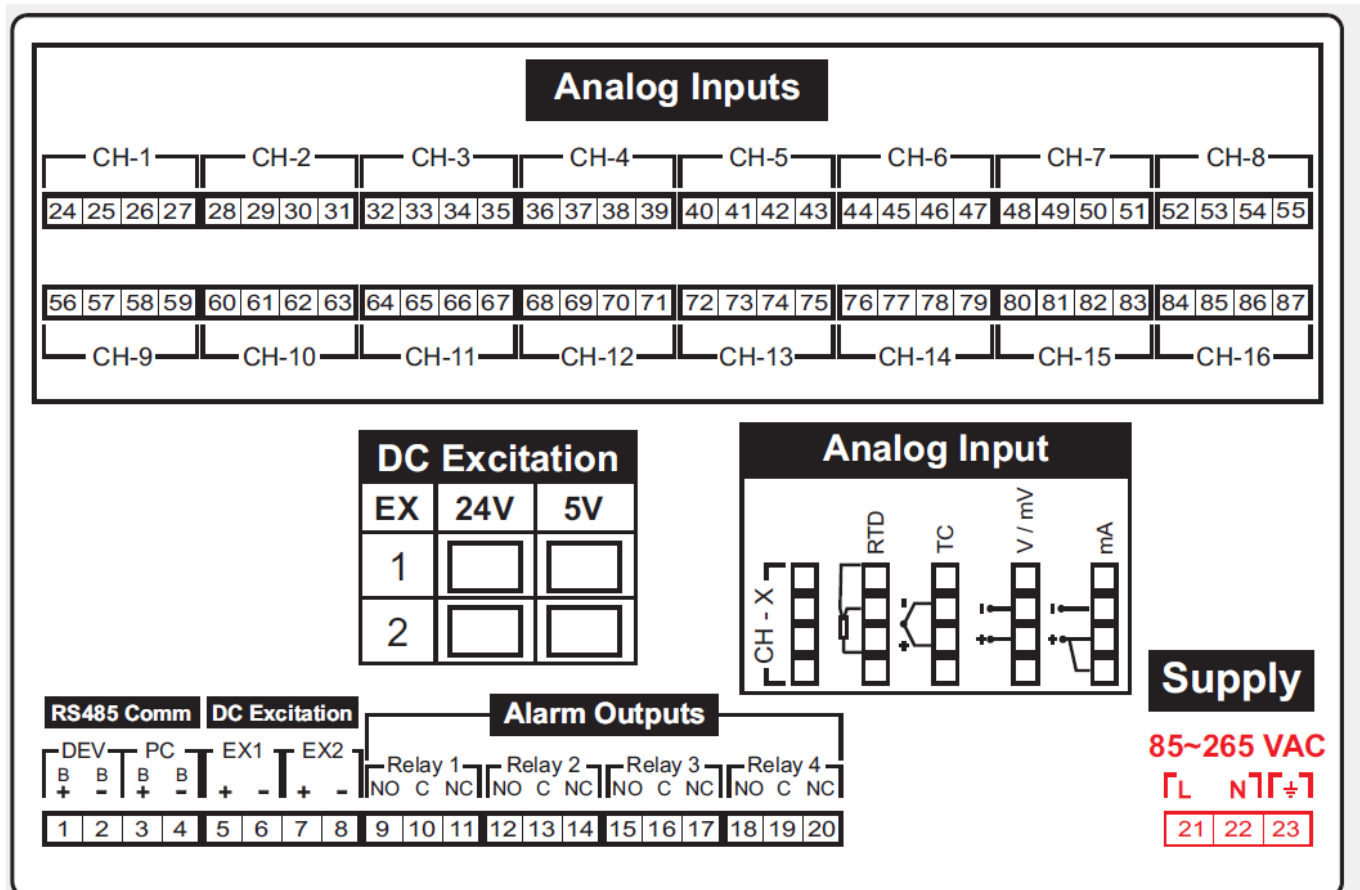
The screen shown below are for 4 Channel Version. The sequence is the same for 8 & 16 Channel Version.



VIEWING ALARM STATUS SCREEN

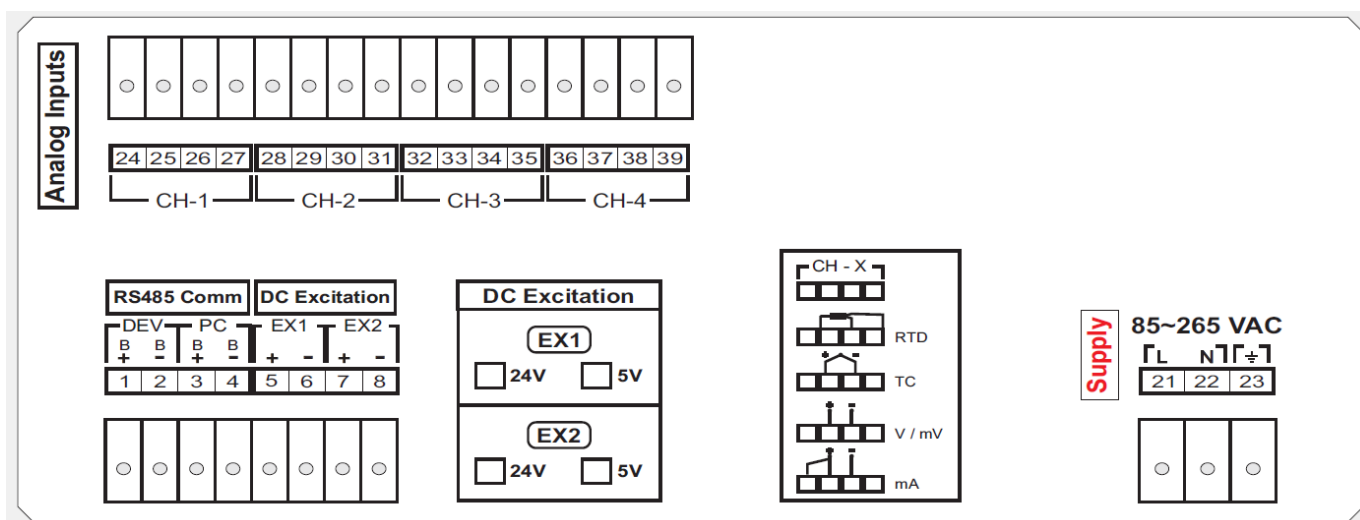


16 Channel With Alarm Relay Outputs

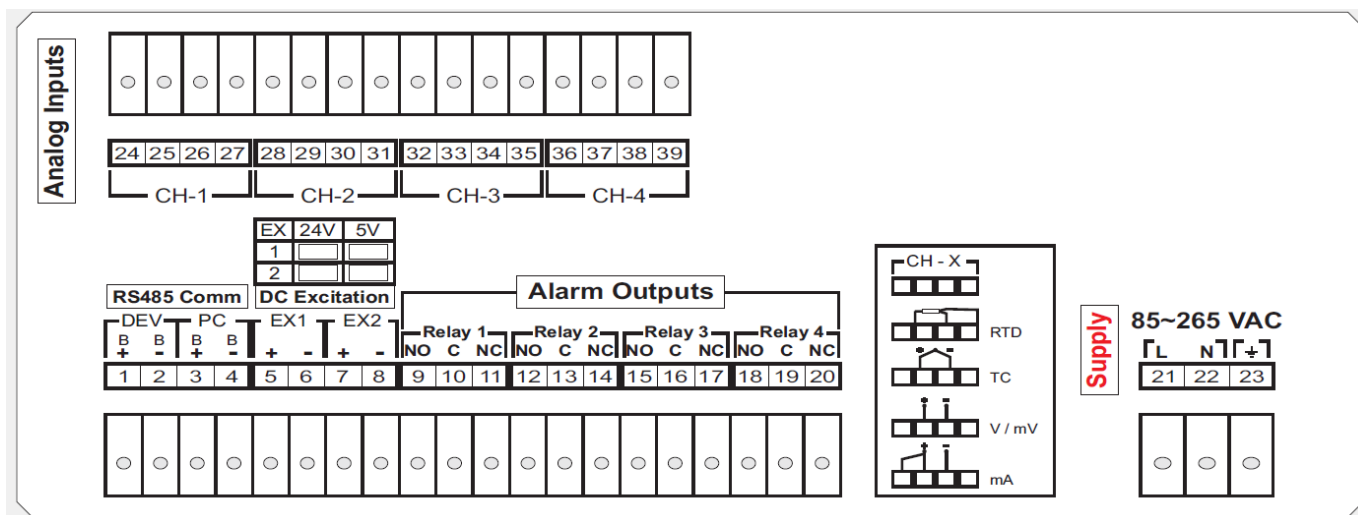


ELECTRICAL CONNECTIONS

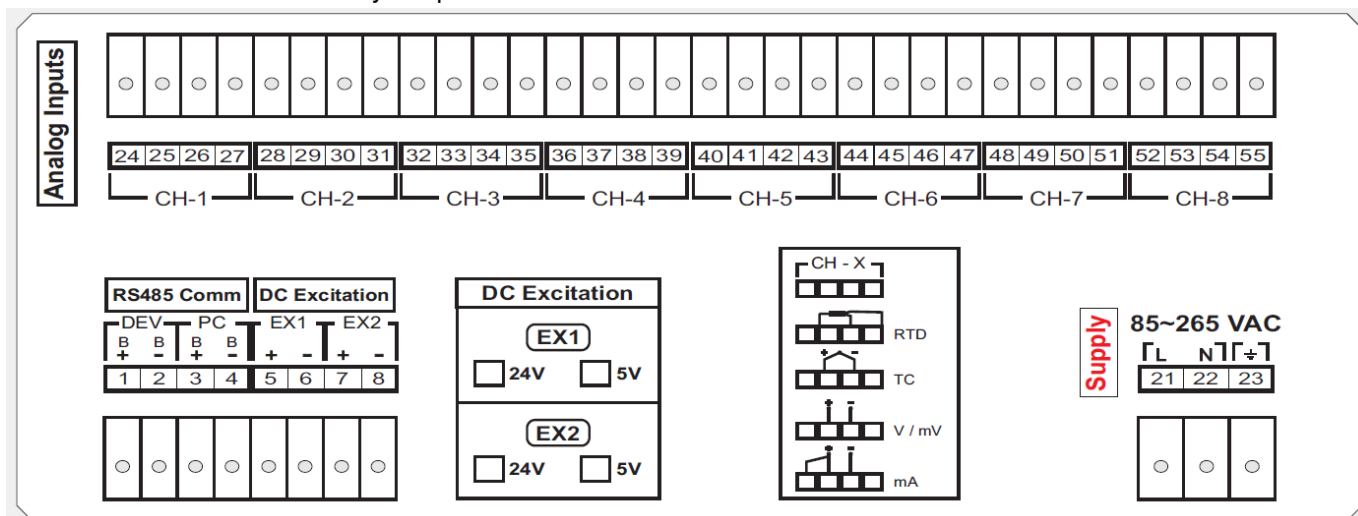
4 Channel Without Alarm Relay Outputs



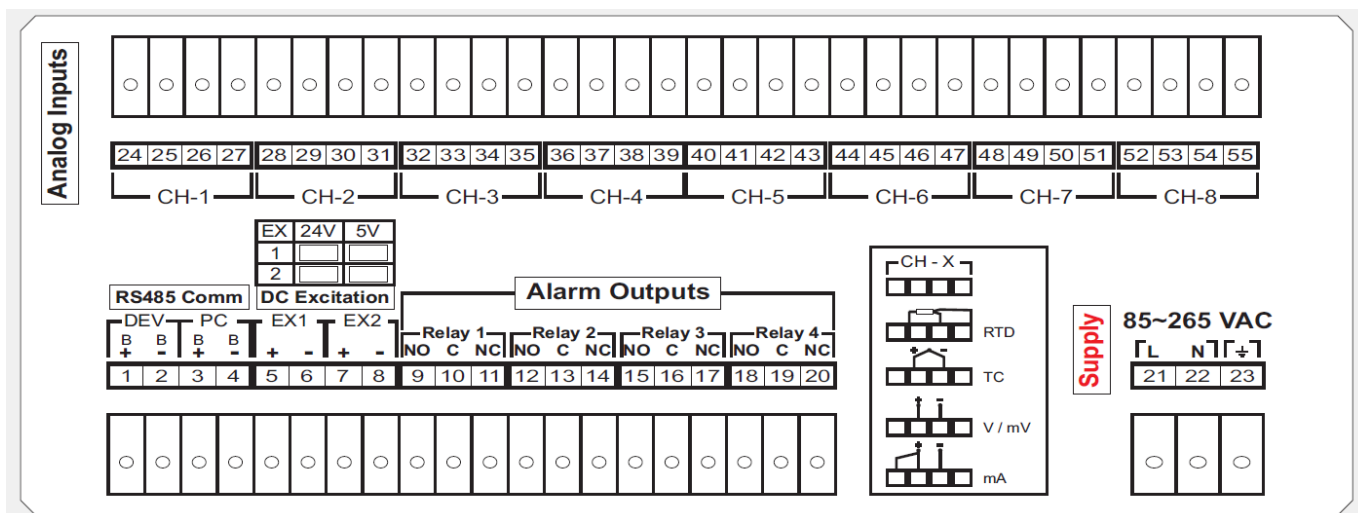
4 Channel With Alarm Relay Outputs



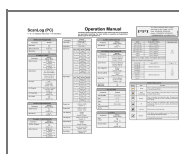
8 Channel Without Alarm Relay Outputs



8 Channel With Alarm Relay Outputs



Documents / Resources



[PPI ScanLog Multi-Channel Data-Logger](#) [pdf] Instruction Manual

ScanLog Multi-Channel Data-Logger, Multi-Channel Data-Logger, Channel Data-Logger, Data-Logger, Logger

References

-  [Factory Automation Products India | Automation Solutions in India](#)