

USER GUIDE

EOL V1.00

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1. INTRODUCTION

This card is an excellent choice to gather high speed data from SPM. Some of the data processing can be done in the card so as to send only meaningful result to the computer. This card has been used in number of SPMs where data collected by card is used in conjunction with PLC cycle information to generate final test results.



2. FEATURES

- 8 Digital Inputs (0-30V DC input voltage)
- 8 Digital outputs (Open Collector Sink capacity up to 60mA each)
- 8 analog inputs

AN1 = 0 to +5v input, 10 bit resolution

AN2 = 0 to +5V input, 10bit resolution

AN3 = 0 to +1V input, 10bit resolution

AN4 = 0 to +100mV input, 10bit resolution

AN5 = 0 to +10V input, 12bit resolution

AN6 = 0 to +10V input, 12bit resolution

AN7 = -5V to +5V input, 12bit resolution

AN8 = -5V to +5V input, 12bit resolution

- One 32bit quadrature encoder interface (RS422 differential or single end input)
- 128KByte on board RAM for caching data samples in case of high speed data acquisition
- Two RS232 serial interface (up to 115200 baud)
- +12VDC, 150mA Auxiliary power output
- 108mm DIN Standard rail mountable

3. Power Supply & Consumption

- Power supply interface 2 pin 3.5mm Screw terminal block
- Input Voltage 24VDC Standard

4. Serial Communication

A D type 9pin female connector has been provided on the PCB and its connection details are as mentioned in following table. For communication with PC, a one to one 3 core serial male-female cable is required.

Pin No	Purpose
1	No connection
2	TXD
3	RXD
4	No connection
5	GND
6	No connection
7	No connection
8	No connection
9	PGM

A D type 15pin female connector has been provided on the PCB and its connection details are as mentioned in following table. For communication with PC.

Pin No	Purpose
1	No connection
2	No connection
3	No connection

4	I_Bar
5	B_Bar
6	A_Bar
7	No connection
8	+12V
9	GND
10	No connection
11	No connection
12	I
13	В
14	A
15	No connection

Warranty Statement

The EOL specified in this document is covered under warranty for a period of 12 months against manufacturing defects, workmanship and malfunction under normal operating conditions. The warranty is subject to the terms and conditions mentioned below.

- 1. The warranty commences from the date of sale for a period of 12 months irrespective of the actual installation date.
- 2. The warranty is against manufacturing defects and any subsequent malfunction of the instrument during the normal operation. The warranty shall not be applicable in case of accidental damage, damage due to wrong operation, connection or conditions that are out of normal operating specifications.
- 3. KARL PL, at its discretion may repair or replace the product depending on the condition of instrument, availability of spare parts and type of failure.
- 4. In case of warranty claim, the warranty period will not be extended and remains same as stated earlier from the date of sale.
- 5. Maximum liability of KARL PL remains up to repair or replacement of the product only. Any damages or losses raised out of use of the instrument are not covered by this warranty. In any case, cost of the product will not be refunded.
- 6. In case of warranty claim, the product should be sent over to KARL PL immediately after noticing the defect or failure. A detailed note of operating conditions in which fault occurred will be helpful in rectifying the defect.
- 7. Do not try to open or repair the instrument on your own. Warranty will stand null and void in such case. Products with tampered warranty seal will not be considered for warranty claims and regular service charges will be applicable.
- 8. In all claims, the company's decision will be final and legally binding.
- 9. Any and all disputes are subject to pune jurisdiction only.

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