



# Technical specifications

OEM  
1-channel EC board

M 2 M

Phased Array Technologies

[www.bercli.net](http://www.bercli.net)

Single channel EC board  
for third-party OEM integration

## Generator

- Operating frequency: 500Hz to 4MHz, (1Hz step)
- Maximum voltage: 5Vpp (0.1V step)
- Transmission: 6-point LEMO 0B socket. Provides access to Wheatstone bridge

## Digitizer

- Sampling frequency: 50MHz
- A/D resolution: 14 bits
- Acquisition rate through CIC decimator: 3 to 10KHz
- Digital amplification through CIC decimator: up to 42dB

## Input-Output

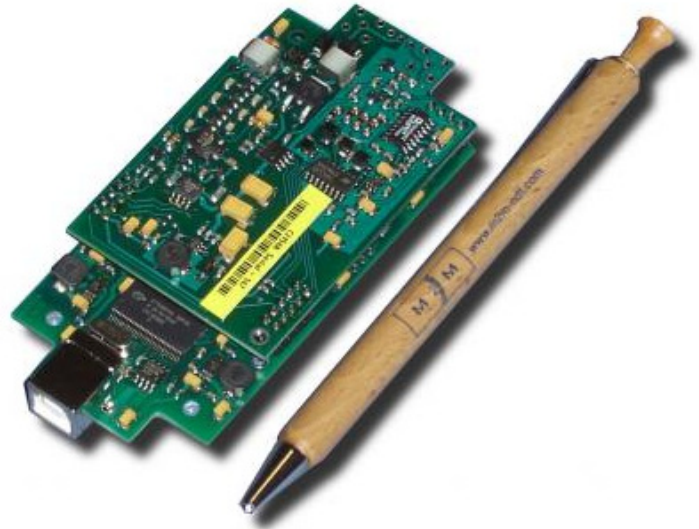
- USB2 connection to PC
- USB2 powered
- 3 encoders input
- Data transferred: X&Y values (16bits), saturation information and encoders positions.

## Dimensions and weight

- 4.72"(12cm) x 2.36"(6cm) x 1"(2.5cm)
- ~0.33 lb (~150g)

## Interface

- Dynamic link libraries (dlls) provided
- Connectors:
  - USB2 connector
  - Probe connector
- Board delivered in case providing the listed connections



## Receivers

- Maximum input voltage: 3Vpp
- Analogical pre-amplification: 6dB/10/dB20dB
- Amplification: 0dB to 40dB (0.5dB step)
- Analogical balance DDS
- Analogical filters:
  - Low-pass filter: 100KHz
  - Band-pass filter: 100KHz - 1MHz
  - High-pass filter: 1MHz

MULTI2000    MULTIX    MULTIX LF    POCKET

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