

# AUTOLOG 3000

## PB3000 Interface



### Available cards for AUTOLOG 3000

#### CA3460 measuring card:

- 6 separate measuring-amplifiers
- 6 A/D converters (working in parallel) each 1 kHz @ 24 bits
- Resolution of 0,1  $\mu$ V/V
- Full-bridge strain gauges,
- Thermocouples (of all types)
- Resistance thermometers (Pt100)
- Potentiometric transducers
- A variety of DC input ranges.
- Future use of TEDS (Transducer Electronic Data Sheet) is prepared.

#### CM3410 multiplexer card:

- 1 common measuring amplifier
- 1 analog-to-digital converter (24 bits @1 kHz)
- 1 multiplexer with 72 input lines, for:
  - 9 x 8-wire channels (TEDS)
  - 12 x 6-wire (i.e. load cells)
  - 18 x 4-wire (i.e. Pt100)
  - 36 x 2-wire (i.e. thermocouples)

#### CD3733 digital I/O card:

- 16 inputs
- 12 outputs
- 2 Contact outputs

#### CA3540 Carrier frequency measuring card:

- 4 separate measuring-amplifiers
- Full, Half and Quarter bridge strain gauge input
- Selectable carrier frequency

PEEKEL Instruments B.V. at Rotterdam, Netherlands is one of the oldest manufacturers of strain gauge measuring instrumentation. PEEKEL equipment is in daily use in all major laboratories and research centers for testing aircraft, railway rolling stock, motor vehicles, cranes, bridges, machinery, engines, ships, satellites, etc.



### Introduction

Very often different types of sensors and measuring principles have to be applied not only for different test jobs, but also within one particular application. With this in mind, AUTOLOG 3000 is designed to be a universal input device with the highest versatility. Strain gauges, thermocouples (of all types), resistance, LVDT, thermometers (Pt 100), potentiometric transducers, a variety of DC input ranges and digital I/O can easily be connected.

### Ethernet interface

For the Autolog 3000 CAN, USB and Ethernet are available. This allows the user to select the communication method best suited for the measurement job at hand. For Ethernet a **PB3000** is required.

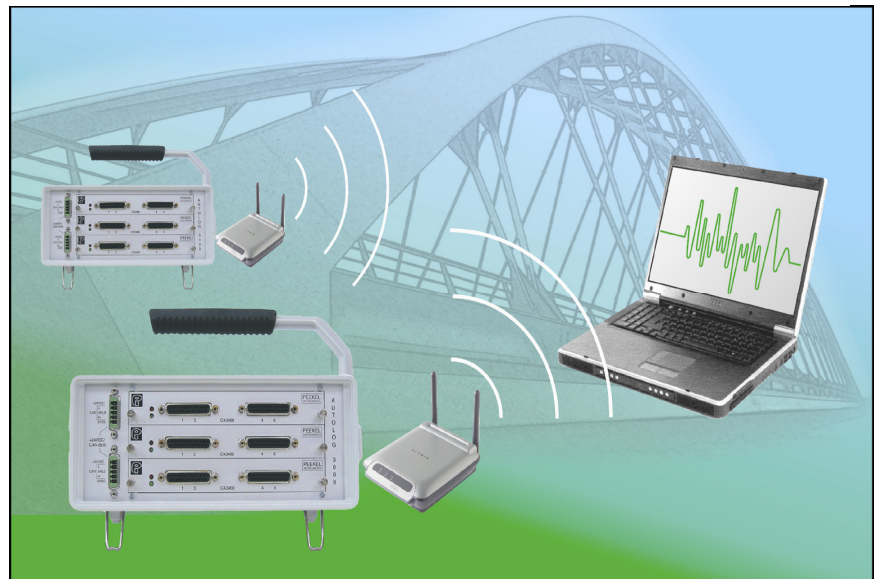
### Stand-alone datalog system

The **PB3000**, a module equipped with a embedded computer running Windows XP Professional, also makes standalone datalogging and web server based applications possible. Data storage on hard disk or flash disk, or make the measured data available through a web server function over the inter- or intranet.

### Web server functionality

The clients of this web server do not need special software. A web browser with internet access and the possibility to run flash applications is enough. Access to the AUTOLOG 3000 can be established through a standard fixed or wireless (GPRS/UMTS/HSDPA) internet connection.

On the standalone Autolog 3000 the software Autosoft 3000 can be installed. Control of this program can be done from a remote location through the use of remote desktop.



Note : All information in this document can be changed without prior notice

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