

**Recorder for dynamic measurements
type AV32G13**

AV32G13

General information:

The AV32G13 series recorders are dedicated measurement systems that cooperate directly with a computer. The number and type of inputs can be prepared according to the client's needs. The user, using the computer program, can freely configure the entire system for the current measurements. Each input is equipped with signal conditioning systems, amplifiers, filters, etc. The sensors attached to the system have a detailed description in the program and the ability to track working time, calibration dates, exceeding the permissible parameters, etc. The system includes the APEK AssistMP program for configuration, presentation and archiving of measurements, for analysis we offer the APEK MonkeyPrezenter program (FFT, Tertiary, Filters).



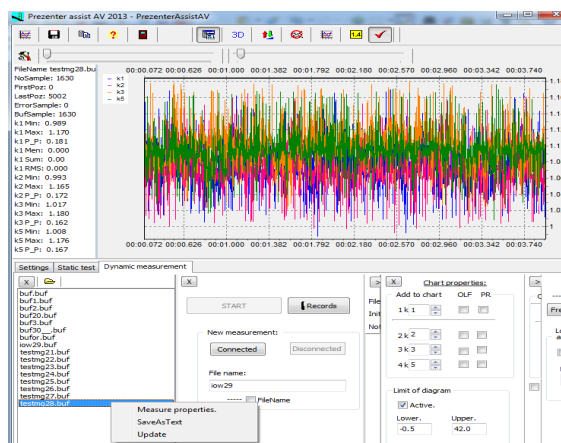
AV32G13F8U4
4 accelerometers.
4 displacements
8 SF12 slots

AV32G13F12U4
6 accelerometers.
M12 sockets.
4 displacements
CA7 socket.



Technical parameters:

- analog inputs: from 4 to 16
- maximum number of sockets: 10
- socket types: M12, SF12, CA7
- input voltages: 0-3.5V, 0-5V.
- 16 bit converter.
- communication interface: USB 2.0.
- power supply: 5V, powered from USB.
- supply current: 80mA without sensors.
- programmable frequency of measurements:
- dynamic measurements: from 1sec to 10kHz.
- maximum sampling rate depending on number of enabled inputs:
10kHz for 1 channel,
5kHz for 4 channels,
1kHz for 8 channels,
500Hz for 16 channels.
- galvanic isolation of inputs from the digital system.
- dimensions:
PELI1300 suitcase: 27x25x17cm (4-10 slots).



We attach the program APEK AssistMP

Application:

- dynamic measurements of building structures;
- monitoring of construction facilities, machines;
- dynamic measurements of machines;

List of available AV32G13 series recorders:

1. AV32G13F4U4 - 2 sockets for accelerometers type MA81, 4 universal inputs, e.g. displacement.
2. AV32G13F8U4 - 4 sockets for accelerometers type MA81, 4 universal inputs, e.g. displacement.
3. AV32G13F12U4 - 6 sockets for accelerometers type MA81, 4 universal inputs, e.g. displacement.
4. AV32G13F16 - 8 sockets for accelerometers type MA81.
5. AV32G13S8W - 8 inputs for strain gauge amplifiers.
6. AV32G13S8 - 8 universal inputs eg displacement, temperature, stress.