APEK

Sets for dynamic measurements AV32AKP i AV32G2

AV32AKP/G2

General informations:

Instruments of series **AV32AKP** are dedicated measuring instruments, which cooperate directly with computer or operator panel. Number and types of inputs can be prepared according to orderer needs. User using computer program can configure freely all system on current measurement. All of inputs are equipped with signal conditioning system, amplifier, filters etc. Sensors which are connect to system has extensive specification in program and also possibility to keep track time of work, pass acceptable parameters etc.

System cooperate with program APEK Assist to configuration, presentation and data archiving. System AV32AKP can be equipped in modem GSM/GPRS which is used for remote send of measurements, all results are accessible on net in program APEK NetPrezenter or in viewers.

Front panel of system AV32AKP.32:
- 32 dedicated measuring sensor's inputs.
- Supply connector.
- Diode, signalizing operating mode.
- USB port.

System AV32G2.8 and AV32G2.12 in casing G2:
- 6 or 12 dedicated measuring sensor's inputs.
- Cable gland for USB connector.

Technical parameters:
- from 4 to 32 analog inputs.
- input's power: 0-2.5V, 0-5V, +/-2.5V
- 16 bits converter .
- communication: USB 2.0.
- power supply 12V/500mA or with USB port.
- supply current 80-150mA
- programming measurements frequency:
  - dynamic measurements: from 1sec to 10kHz.
  - static measurements: from 4/sec to 60min.
- max sample rate depended on number of channels on:
  - 10kHz for 1 channel,
  - 5kHz for 4 channels,
  - 1kHz for 8 channels,
  - 500Hz for 16 channels.
- galvanic isolation inputs of digital circuit.
- Dimension:
   Suitcase NB4, 33x24x18cm (from 8 to 32 inputs)
   Casing G2, 18x12x8cm (from 2 to 16 inputs)
- weight: ca. 2kg.for NB4, 1kg for G2

Application:
Dynamic measuring and statistic test of force, dislocation, flow, acceleration, position, vibration, pressure, temperature, humidity etc.
Measurements in laboratories, rooms and also in extreme weather condition.

Area of application:
- dynamic measurements building construction;
- recorder to testing and tensile testing machine ;
- measurements in aircraft and automotive industry;
- dynamic measurement of machines;
- registry and canvassing of measurements.