

AMSYS Modular Analog Measurement System



- Over 30 functional plug-in units guarantee high flexibility
- Signal condition of nearly all sensors for automotive and mechanical engineering applications
- Integrated sensor feed
- Signal allocation, filtering, and monitoring through crossbar switches, filters, DVMs, comparators, etc.
- Modules for acoustic and vibration measurements
- 2 signal outputs per channel (analog ± 10 V fixed, variable)
- Accuracy class 0.1 %
- Manual operation
- 19" technology for racks, stand-alone housings, and mobile applications

Visit our website for complete information on our industrial measuring technology: www.ImtronGmbH.de

Measuring Amplifiers with Manual Settings at the Front Panel:

16312 DC

- Strain gauge sensors
- Integrated sensor feed
- 4 or 6-wire technology
- Plug-in filter module

36312 DC

- Shunt sensors
- Other voltage generators
- Plug-in filter module

16315 Differential (current or voltage)

- 0 - 5 V, 0 - 20 mA, 4 - 20 mA input
- Integrated sensor feed
- Plug-in filter module

36311 Differential

- Potentiometers, speed indicators and other small signal generators
- Integrated sensor feed
- 4 or 6-wire technology

18311 Temperature (TC)

- Thermocouples type J, L, or K
- Plug-in filter module

18313 Temperature (Pt100)

- Pt100 sensors, 4-wire technology
- Integrated sensor feed
- Plug-in filter module

17311 Line-Drive (ICP)

- ICP sensors
- Integrated sensor feed

17312 Sound and Vibration

- Microphone or piezo velocity sensor
- Integrated sensor feed
- Settings DC linear, DC logarithmic, AC
- LED level indicator

17313 AC Sound and Vibration

- Various sound and vibration sensors
- 20 Hz high-pass filter switch
- Plug-in filter modules
- Integrated sensor feed 4 mA ICP; 120V impedance transformer, 200 V polarisation voltage (auxiliary supply)

15315 Carrier Frequency

- Inductive torque meters, strain gauges
- Integrated sensor feed
- 6-wire technology

20311 Frequency Discriminator

- LF modulated sensors, transducers and inductive pickups

40312 F-V Converter

- Inductive pulse sensors, proximity switches, various frequency signals
- Integrated sensor feed

Stationary Measuring Amplifiers with (Limited) Manual Settings by Jumper:

16314 DC

- Strain gauge sensors
- Integrated sensor feed
- 4 or 6-wire technology
- Plug-in filter module

18314 Temperature (TC)

- Thermocouples type J, L, or K
- Plug-in filter module

36314 Differential

- Potentiometers, speed indicators and other small signal generators
- Integrated sensor feed
- 4 or 6-wire technology

40314 F-V Converter

- Inductive pulse sensors, proximity switches, various frequency signals
- Integrated sensor feed

Plug-in Modules for:

- **Signal display:** DVMs, level indicators, DVM with digital counter
- **Signal processing:** Crossbar switch, channel expander, pulse former, filters (low, high-pass, band-pass), peak detector, signal divider, comparator, frequency divider, frequency doubler, endurance counter

