

# Mobile Multi Channel Data Acquisition Machine LDS/Nicolet „Genesis“

## Technical Data

- 8 channel bridge input, simultaneous scanning 200 kS/s, resolution 16 bit, entrance area  $\pm 2 \text{ mV} - \pm 10 \text{ V}$ , 3 – 10 conduction technique possible
- 16 highly precise universal entrance channels, simultaneous scanning 200 kS/s, resolution 16 bit, entrance area  $\pm 10 \text{ mV} - \pm 100 \text{ V}$ , 0,05% mistakes
- 16 universal entrance channels, simultaneous scanning 200 kS/s, resolution 16 bit, entrance area  $\pm 1 \text{ V} - \pm 100 \text{ V}$
- 64 digital entrance channels, scanning 1 MS/s
- 4 universal measuring modules for tension, flow, resistance, strain gauge, inductive displacement transmitter
- 4 measuring amplifiers for thermocouples, measurement range of  $-200 - 1.000 \text{ }^\circ\text{C}$

## Area of Use / Application

- Measurement of acceleration, force, distance and temperature
- Data acquisition for a wide range of sensors
- Simultaneous highly precise data acquisition with a very high sampling rate
- Extensive measuring tasks possible through numerous measuring channels e.g. experimental modal analysis



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