



DEWE-2010

Flexible version with DEWE-DAQ- and/or PAD-modules. Whenever the application requires the measurement of different signals like mV, kV, strain, thermocouples ... mixed and on different voltage potentials (to avoid ground loops), **isolated** differential amplifier inputs are required. The DEWE-DAQ modules offer isolated differential inputs with very high overvoltage protection. For detailed module selection see "signal conditioning amplifiers" section.

Max. channel count	ANALOG	16 DAQ modules
	DIGITAL	I/O card & counter & CAN



DEWE-2011

High channel count version for direct sensor input. All sensors, like load cells (MDAQ-SUB-BRIDGE-D), accelerometers (MDAQ-SUB-ACC) or any other sensor with voltage output and sensor excitation (MDAQ-V-DSUB) are best connected with differential input offered with the DEWE-MDAQ series. MDAQ-modules are available in 8-channel blocks. For detailed module selection see "signal conditioning amplifiers" section.

Max. channel count	ANALOG	64 MDAQ channels
	DIGITAL	I/O card & counter & CAN



DEWE-2012

Most flexible version for direct sensor and different non-referenced signals.

Sensors can be connected "differential" at MDAQ-modules. High voltage signals or signals where isolation is required need to be connected on DAQ-modules. The DEWE-2012 offers both module types in one chassis.

Max. channel count	ANALOG	16 DAQ & 16 MDAQ
	DIGITAL	I/O card & counter & CAN

Channel expansion with analog RACK, PCI-expansion or DEWE-NET

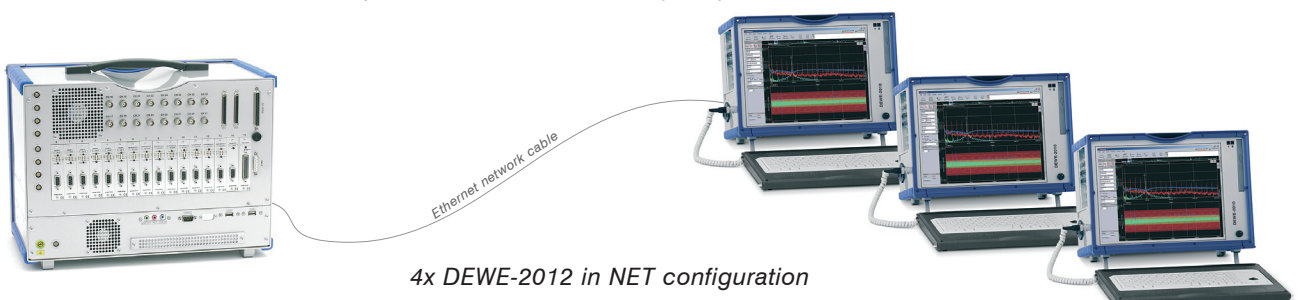
Example: DEWE-NET expansion

With DEWE-NET all PC instruments can be connected via LAN. To synchronize all A/D converters in each system the option DEWE-SYNC is required (one LAN cable and one SYNC cable needed). DEWETRON offers additionally the DEWE-GPS-CLOCK option to offer the capability to synchronize the A/D clock of several systems without any cable-connection.

The main advantage of the DEWE-NET expansion is the multiple use of the PC power and the fast storing capability. Multiple decentralized hard-disks offers almost no limit for fast data storing.

DEWESoft-NET offers several modes of data storing:

- online data transfer from the slave measurement unit to the master measurement unit (see example below)
- store data in the slave measurement unit and transfer the data after the acquisition to the master unit
- the slave measurement unit acquires the data continuously; Any master unit can receive the data via network.



4x DEWE-2012 in NET configuration