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TECHNOLOGY GROUP

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Find the *Dewetron PAD-TH8-P* at our website: ***Click HERE***

DEWE-2010

- *Compact portable instrument*
- *Either 16 DAQ or 64 MDAQ input channels*
- *Up to 5 PCI slots for A/D or other PCI boards (1394, 1553, CAN, ...)*
- *Sensor input at the rear side*
- *Large 15" TFT display*



Recommended Usage:

- *NET Solution*
- *Data Recorder*
- *Dynamic Signal Analyzer*
- *Transient Recorder*
- *Power Network Analyzer*
- *Combustion Analyzer*

Online Information:

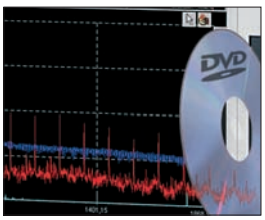
www.dewetron.info/dewe-2010

DEWE-2010 Series: Portable Instruments			
Input specifications	**DEWE-2010**	**DEWE-2011**	**DEWE-2012**
Slots for DAQ or PAD modules	16	-	16
MDAQ input channels	-	up to 64	up to 16
Main system [1]			
Total PCI-slots	2 full length / 1 half length	4 full length / 1 half length	2 full length / 1 half length
Weight	typ. 12.5 kg (27 lb.)	typ. 12 kg (26 lb.)	typ. 13 kg (28 lb.)
Hard disk	250 GB		
Data throughput	30 to 45 MB/s [2]		
Power supply	90 to 260 V_{AC}		
Display	15" TFT display, 1024 x 768 pixel		
Processor	Intel® Pentium® M (1.8 GHz)		
RAM	1 GB		
Ethernet	10/100/1000 BaseT		
USB interfaces	2		
RS-232 interface	1		
Storage drive	Internal DVD +/-RW burner		
Operating system	Microsoft® WINDOWS® XP Professional		
Dimensions (W x D x H)	410 x 230 x 290 mm (16.1 x 9.1 x 11.4 in.)		
Environmental specifications			
Operating temperature	0 to +50 °C, down to -20 °C with prewarmed unit		
Storage temperature	-20 to +70 °C		
Humidity	10 to 80 % non cond., 5 to 95 % rel. humidity		
Vibration	MIL-STD 810F 514.5, procedure I		
Shock	MIL-STD 810F 516.5, procedure I		

[1] Please find current specifications in the latest price list

[2] Depends on the system configuration. Examples:
- DEWE-2010 with 4x DEWE-ORION-1624 = 43 MB/s
- DEWE-2010 with 2x DEWE-ORION-1624 + DEWE-VIDEO-100-COL = 40 MB/s

System options				
Option	**Description**	**DEWE-2010**	**DEWE-2011**	**DEWE-2012**
2010-AC-DC-UPS	Upgrade to 115 / 230 V_{AC}, 10 to 32 V_{DC}, UPS for approx. 5 minutes, changes CPU to Intel® Pentium® M 1.8 GHz!	opt.	opt.	opt.
BAY-5.25-SATA	5.25" SATA removable drive bay, standard height 43.2 mm / 1.70 in.	-	-	-
BAY-5.25-IDE	5.25" IDE removable drive bay, standard height 43.2 mm / 1.70 in.	-	-	-
BAY-5.25-IDE-SLIM	5.25" IDE removable drive bay, low profile version 28.7 mm / 1.13 in.	opt.	opt.	opt.
BAY-5.25-SCSI	5.25" SCSI removable drive bay, standard height 43.2 mm / 1.70 in.	-	-	-
BAY-5.25-SCSI-SLIM	5.25" SCSI removable drive bay, low profile version 28.7 mm / 1.13 in.	opt.	opt.	opt.



DVD-BURNER
for data backup to DVD or CD



DISP-15-TOUCH
15" touch-screen for internal display



2010-AC-DC-UPS
multi power supply for AC and DC supply



BAY-5.25-xx
5.25" removable drive bay



The carrying bag is included as standard accessory

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DEWE-2010

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

DEWE-2011

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

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

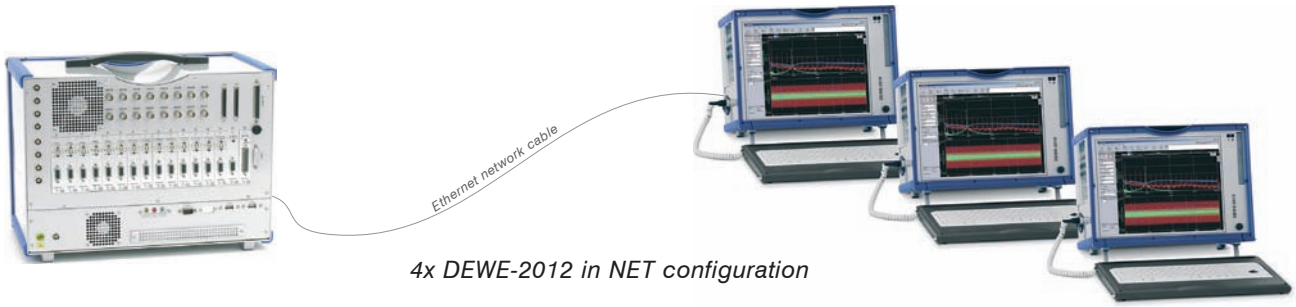
Example: DEWE-NET expansion

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 advantige 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

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