

DEWE-80x / DEWE-810

- A real DEWETRON instrument at the lowest price
- DEWE-800: prepared for up to 16 DAQ-modules
- DEWE-801: prepared for up to 64 MDAQ-channels
- Designed for 19" rack mounting or desktop use



Recommended Usage:

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

Online Information:

www.dewetron.info/dewe-800

DEWE-80x / DEWE-810 Series: Lab Solutions			
Input specifications	DEWE-800	DEWE-801	DEWE-810
Slots for DAQ or PAD modules	16	-	32
MDAQ input channels	-	up to 64	-
Main system ¹⁾			
Total PCI-slots	2 full / 1 half length opt. 2 full / 4 half length	1 full / 2 half length opt. 1 full / 5 half length	1 full / 2 half length opt. 1 full / 5 half length
Dimensions	437 x 443 x 177 mm (17.2 x 17.4 x 7 in.)	437 x 443 x 177 mm (17.2 x 17.4 x 7 in.)	437 x 443 x 221 mm (17.2 x 17.4 x 8.7 in.)
Weight	typ. 12 kg (26.4 lb.)	typ. 12 kg (26.4 lb.)	typ. 14 kg (31 lb.)
Hard disk	250 GB		
Data throughput	typ. 40 MB/s ²⁾		
Power supply	90 to 260 V _{AC}		
Processor	Intel® Celeron® 2.8 GHz, opt. Intel® Core™2 Duo 2 GHz		
RAM	1 GB		
Ethernet	10/100/1000 BaseT		
USB interfaces	4		
RS-232 interface	1		
Storage drive	Internal DVD +/-RW burner		
Operating system	Microsoft® WINDOWS® XP Professional		
Environmental specifications			
Operating temperature	0 to +40 °C		
Storage temperature	-20 to +70 °C		
Humidity	10 to 80 % non cond., 5 to 95 % rel. humidity		
Shock and Vibration	Desktop or rack mount installation only		

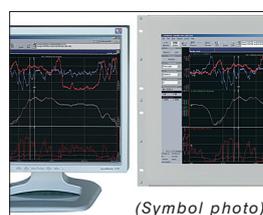
¹⁾ Please find current specifications in the latest price list
²⁾ Depends on the system configuration. Examples:

- DEWE-800 with 4x DEWE-ORION-1624 = 45 MB/s
- DEWE-800 with 2x DEWE-ORION-1624 + DEWE-VIDEO-100-COL = 28 MB/s

System options				
Option	Description	DEWE-800	DEWE-801	DEWE-810
800-PC-UP	PC-upgrade, consists of mainboard (6 PCI slots) and Intel® Core™2 Duo 2 GHz processor	opt.	opt.	opt.
BAY-5.25-SATA	5.25" SATA removable drive bay, standard height 43.2 mm / 1.70 in.	opt.	-	-
BAY-5.25-SATA-SLIM	5.25" IDE removable drive bay, low profile version 28.7 mm / 1.13 in.	opt.	-	-
800-DC-12V	Power supply 9 to 18 V _{DC} (no internal battery), incl. external AC adaptor	opt.	opt.	opt.
800-DC-24V	Power supply 18 to 36 V _{DC} (no internal battery), incl. external AC adaptor	opt.	opt.	opt.
800-MK	19" mounting kit for the DEWE-800 series, includes 4U front-panel bezel	opt.	opt.	-
810-MK	19" mounting kit for the DEWE-810, includes 5U front-panel bezel	-	-	opt.



BAY-5.25
Prepared for a removable HDD



DEWE-TFT19-DT and DEWE-TFT19-RM
19" TFT display



CA-CONN
Combustion analyzer input connectors



Typical DEWE-800 rear view

DEWE-80x / DEWE-810

LAB SOLUTIONS



DEWE-800

DEWE-800

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-801

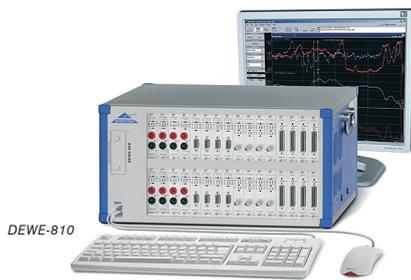
DEWE-801

High channel count version for direct sensor input. All sensors, like load cells (MDAQ-INT-BRIDGE), accelerometers (MDAQ-INT-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-801



DEWE-810

DEWE-810

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.

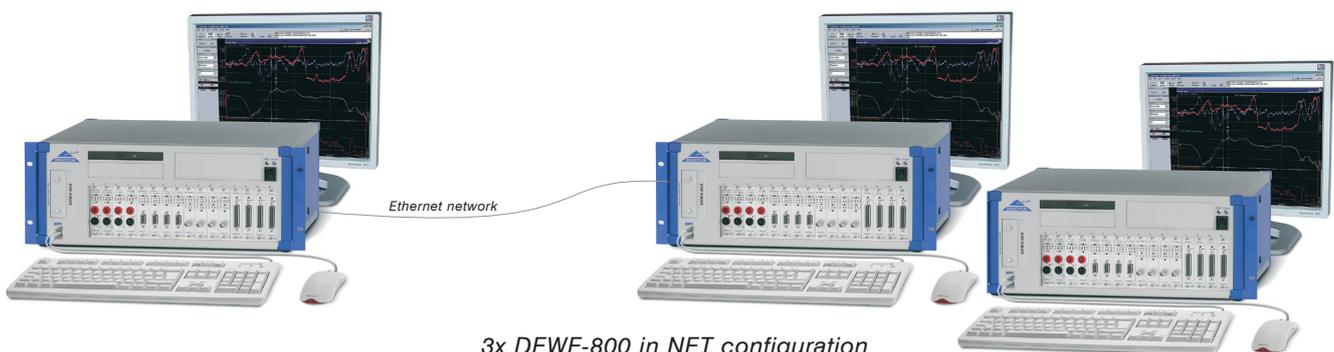
Max. channel count	ANALOG	32 DAQ channels
	DIGITAL	I/O card & counter & CAN

Channel expansion with DEWE-NET

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.

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



3x DEWE-800 in NET configuration