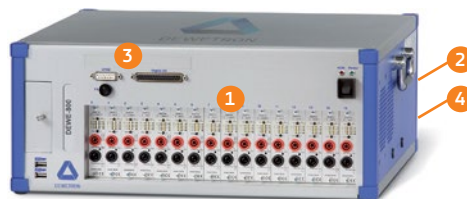




DEWE-800-PQA

- ① Slots for DAQP/HSI or PAD modules
- ② Power supply transducers (on back panel)
- ③ Counter & EPAD connectors
- ④ LAN, USB, DVI interface (on front and back panel)



DEWE-800-PQA	
Dynamic analog input channels	DEWE-800-PQA-100-8: 8; DEWE-800-PQA-100-16: 16
Included HSI modules at 8 channel unit	4x DAQP-HV and 4x DAQP-LV
Included HSI modules at 16 channel unit	8x DAQP-HV and 8x DAQP-LV
Bandwidth	700 kHz
Input ranges	DAQP-HV 20 V to 1400 V, DAQP-LV 10 mV to 50 V
Typ. accuracy	DAQP-LV ± 0.02 % of reading
External quasi-static channel expansion	EPAD interface, up to 16 EPAD2 modules = 128 ch
A/D conversion	
Sampling method	Simultaneous
Sampling rate	100 kS/s/ch
Resolution	16 bit
Digital I/O and counters	
Digital I/O, TTL level	8
Counters or digital inputs, TTL level (1 counter equals 4 digital inputs)	2 / 8
Options	CAN, video, motion sensor, ...
Optional sensors	Zero flux transducer, hall clamps, flexcoils, shunts, TEDS support depending on sensor
Sensor supply	Internal power supply for DEWETRON sensors and probes, 9 V / ± 15 V
Main system	
Hard disk	1 TB HDD dedicated for data storage (upgrade to 1 TB SSD available) 120 GB SSD for operating system and application software, both in a single removable drive bay
Data throughput	Typ. 80 MB/s (90 MB/s)
Power supply	(max.) 90 to 264 VAC
Display	n.a.
Processor	Intel® Core™ i5/i7
RAM	4 GB
Ethernet	2x 10/100/1000 BaseT
USB	4
Operating system	Microsoft® WINDOWS® 7
Dimensions (W x D x H)	437 x 443 x 181 mm (17.2 x 17.4 x 7.1 in.)
Weight (AC and DC System)	Typ. 12.5 kg (27.5 lb.)
Environmental specifications	
Operating temperature	0 to +40 °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
Max. altitude	Altitude 2000 m (6560 ft)
Sine vibration (EN 60068-2-6)	Acceleration 20 m/s ² , freq. 10 Hz - 150 Hz, sweep 1 oct/min, 20 cycles
Shock (EN 60028-2-27)	Acceleration 15 g, duration 11ms, pulse form half sine, 3 pumps/direction, 6 directions
Random vibration (EN 60721-3-2)	Class 2M2 (spectral acceleration density 1 m ² /s ³ , frequency range 10 Hz - 200 Hz, duration 30 min/direction)
Applications	
PQA Charging stations and charging infrastructure	yes
PQA Monitoring of power systems	yes
PQA Grid compatibility of renewable power plants	yes
PQA Electrical & environmental monitoring	yes