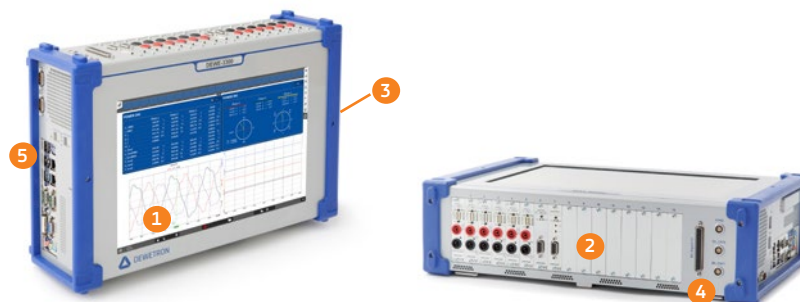




# DEWE-3300-PA

- ① Display
- ② Slots for DAQP/HSI or PAD modules
- ③ Power supply transducers
- ④ Counter & EPAD connectors
- ⑤ LAN, USB, DVI interface



	DEWE-3300-PA
Dynamic analog input channels	DEWE-3300-PA-5000-8: 8; DEWE-3300-PA-5000-16: 16
Included HSI modules at 8 channel unit	4x HSI-HV and 4 HSI-LV
Included HSI modules at 16 channel unit	8x HSI-HV and 8 HSI-LV
Bandwidth	2 MHz
Input ranges	HSI-HV 20 V to 1400 V, HSI-LV 10 mV to 50 V
Typical accuracy	HSI-LV $\pm 0.02$ % of reading
External quasi-static channel expansion	EPAD interface, up to 16x EPAD2 modules = 128 channels
A/D conversion	
Sampling method	Simultaneous
Sampling rate	5 MS/s/ch (optional 1 MS/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 / $\pm 15$ 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
Power supply	90 to 264 V <sub>AC</sub> (max.) Optional: 9 to 30 V <sub>DC</sub> (external AC power supply included)
Display	15.4" TFT wide-screen with multi-touch screen (1280 x 800)
Processor	Intel® Core™ i5
RAM	4 GB
Ethernet	2x 10/100/1000 BaseT
USB	6
Operating system	Microsoft® WINDOWS® 7
Dimensions (W x D x H)	462 x 320 x 135 mm (18.2 x 12.6 x 5.3 in.)
Weight (AC and DC System)	Typ. 8.2 kg (18 lb.) Typ. 8 kg (17.6 lb.)
Environmental specifications	
Operating temperature	0 to +50 °C, down to -20 °C with prewarmed unit
Storage temperature	-20 to +70 °C
Humidity	10 to 90 % non cond., 5 to 95 % rel. humidity
Max. Altitude	2000 m (6560 ft)
Sine vibration (EN 60068-2-6)	Acceleration 20 m/s <sup>2</sup> , freq. 10 Hz - 150 Hz, sweep 1 oct/min, 20 cycles
Shock (EN 60028-2-27)	Acceleration 15 g, pulse length 11ms, pulse form half sine, 3 moves/direction, 6 directions
Random vibration (EN 60721-3-2)	Class 2M2 (spectral acceleration density 1 m <sup>2</sup> /s <sup>3</sup> , Frequency range 10 Hz - 200 Hz, duration 30 min/direction)
Applications	
PA test bench	yes
PA 3 phase electrical engine	yes
PA 4 phase electrical engine	yes
PQA charging stations	yes
PQA monitoring of power systems	yes
PQA grid compatibility	yes