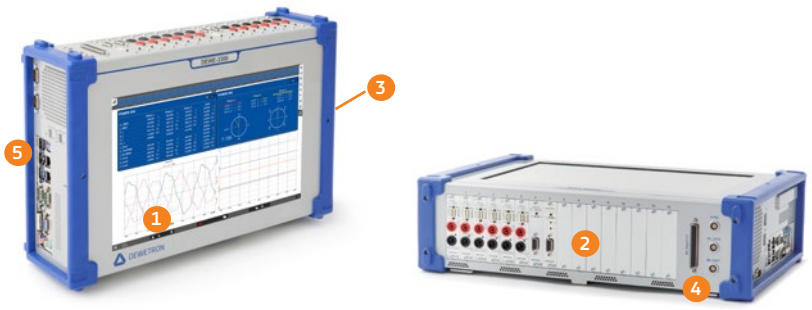
# DEWE-3300-PQA

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-PQA | |
|---|---|
| **Dynamic analog input channels** | DEWE-3300-PQA-100-8: 8; DEWE-3300-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 |
| **Power supply** | 90 to 264 VAC (max.)<br>Optional: 9 to 30 VDC (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** | Altitude 2000 m (6560 ft) |
| **Sine vibration (EN 60068-2-6)** | Acceleration 20 m/s², 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 m²/s³, 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 |