

DEWE-571-PQA

- 1 Display
- 2 Slots for voltage/current inputs
- 3 EPAD connectors (on back side)
- 4 LAN, USB, VGA interface (on front and back side)



DEWE-571-PQA	
Dynamic analog input channels	DEWE-571-PQA-4U4I: 8; DEWE-571-PQA-4U12I: 16; DEWE-571-PQA-4U28I: 32
Bandwidth	300 kHz
Voltage input	200 V to 1400 V
Current input	0.3 V to 10 V for current clamps and transducers, 0.7 mV to 0.7 V for amplex, 1 A to 10 A direct current (only 4U4I, 4U28I)
Typ. accuracy	±0.02 % of reading
External quasi-static channel expansion	EPAD interface, up to 16 EPAD2 modules = 128 ch
A/D conversion	
Sampling method	Aggregate
Sampling rate	250 kS/s
Resolution	16 bit
Digital I/O and counters	
Digital I/O	2 x Digital IN, 2 x Relais output (normally open)
Options	CAN, video, motion sensor, ...
Sensors	Flexcoils, clamps, direct current input cable
Sensor supply	n.a.
Main system	
Hard disk	120 GB SSD
Data throughput	Typ. 90 MB/s
Power supply	External AC/DC power supply 100 to 240 VAC
Battery power	2 hot-swappable batteries
Display	12" TFT wide-screen with multi-touch screen (1280 x 800)
Processor	Intel® Core™ i5
RAM	4 GB
Ethernet	2x 10/100/1000 BaseT
USB	2
Operating system	Microsoft® WINDOWS® 7
Dimensions (W x D x H)	360 x 300 x 150 mm (14.2 x 11.8 x 5.9 in.)
Weight	Typ. 5 kg (11 lb.)
Environmental specifications	
Operating temperature	Discharging 0 to +50 °C, charging 0 to +45 °C, without batteries -5 to +50 °C
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)	Shape, acceleration amplitude, duration, test in 3 axis, 3 shocks in each axis and directi on
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