

DEWE-820-PA

- 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-820-PA	
Dynamic analog input channels	DEWE-800-PA-10MS-8: 8; DEWE-800-PA-10MS-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 50V
Typical accuracy	HSI-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	10 MS/s/ch (optional 5 MS/s/ch or 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, 9V/+ -15V
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	90 to 264 V _{AC} (max.)
Display	External display
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	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 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	
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