

Automotive
Energy & Power Analysis
Aerospace
Transportation
General Test & Measurement



DEWE-1201

- Rugged small-size portable instrument, 5 kg only!
- 16 MDAQ input channels (voltage, ICP®, bridge or strain) expandable to 32 channels with external box
- 2 counter inputs (encoder) expandable to 10 counters / 32 digital inputs with external box
- 2 CAN-bus (option)
- EPAD interface for adding quasi-static thermo couple or voltage channels
- Local data storage up to 40 MB/s
- Synchronous video support using DEWE-CAM-01
- Perfect solution for maintenance and/or research applications



PORTABLE INSTRUMENTS DEWE-1201

DEWE-1201 Series: Portable Instrument	
Input specifications	
Analog inputs	
MDAQ input channels	16
Channel expansion	16 additional channels using DEWE-31-16 or DEWE-30-16
Digital inputs	
Counter, encoder input	8 synchronous TTL digital I/O 2 counter/encoder or 8 digital inputs
Counter/digital channel expansion	up to 10 counters / 32 digital inputs (TTL) or 2 counter, 8 digital inputs (TTL) and 8 counter, 24 digital inputs (differential) -35 V to + 60 V input, 0 to 40 V threshold level 2 (optional)
CAN interface	
Main system ¹⁾	
AD cards	one DEWE-ORION series card
Hard disk	32 GB SSD
Data throughput	typ. 40 MB/s ²⁾
Power supply	8 to 30 V _{DC} , external AC power supply adapter included
Display	13" TFT display, 1280 x 800 pixel
Processor	Intel® Core™2 Duo, 2 GHz
RAM	1 GB
Ethernet	2x 10/100/1000 BaseT
USB interfaces	4
FireWire® interface	1
Operating system	Microsoft® WINDOWS® XP Professional
Dimensions (W x D x H)	317 x 252 x 110 mm (12.5 x 9.9 x 4.3 in.)
Weight	typ. 5.5 kg (12.1 lbs)
Environmental specifications	
Operating temperature	0 to +50 °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
Vibration	EN 60068-2-6, EN 60721-3-2 class 2M2
Shock	EN 60068-2-27

¹⁾ Please find current specifications in the latest price list

²⁾ Depends on the system configuration

Re-inventing Data Acquisition

Preliminary



Typical system configurations



16 channels MDAQ (DSUB)



16 channels MDAQ (8 DSUB, 8 BNC)

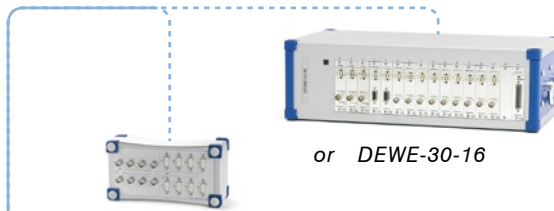


16 channels MDAQ (BNC)

32 channel configuration; using DEWE-ORION-3216-10x or -3222-10x cards



Analog expansion cable



DEWE-31-16

or DEWE-30-16

Cascading systems using DEWESoft NET



LAN
ORION SYNC



LAN
ORION SYNC

Up to 10 counters; using DEWE-ORION cards with 10 counters (DEWE-ORION-1616-105, -1622-104, 1624-102 etc.)



Expansion cable



ORION-CB-CNT8

Re-inventing Data Acquisition

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