

More than compact... 
espressoDAQ

The new star of USB measurement data acquisition



Be an espressoDAQ fan.
Measurement made easy.

Compact and versatile ...

espressoDAQ ... data acquisition red

Do you want to reliably measure electrical and physical quantities? Without any problems, without much effort?

Experience espressoDAQ live! The espressoDAQ amplifier family stands for high quality and outstanding performance at an attractive price. The USB-based modules are small, powerful and easy to use in a wide range of applications.

Be it force, pressure, temperature or voltage – espressoDAQ provides the right solution for your requirements.

DQ430



DQ401




DQ430: Strain-gage amplifier with carrier frequency technology

Measure force, pressure and strain!
The DQ430 module features four channels and supports strain gages in half- and full-bridge configurations.

DQ401: Current/Voltage amplifier

The DQ401 module enables measurement of current and voltage. The amplifier features four individually configurable current or voltage inputs.

 Full bridge  Half bridge

 Current  Voltage

efined



Plug and Measure – quick and easy test results

A USB interface enables espressoDAQ amplifier modules to be easily connected to a PC. A single module can be connected directly to the power supply via the PC's USB interface. Two or more modules need to be linked via an active USB hub. This enables the implementation of a fully synchronized system with up to 4 modules.

catman®Starter – from configuration through to visualization

A software package for use with all espressoDAQ modules is available as standard. catman®Starter is an easy-to-use software, especially tailored to espressoDAQ to accomplish configuration, data acquisition, and visualization.

The software allows export of measurement data in all commonly used formats. In addition, the package includes a LabVIEW driver and libraries as well as a .NET/COM API for programmers.

Plug in and get started!

Transducers are connected using unique RJ45 plugs that permit tool-free assembly. The connectors can be retrofitted with TEDS.



DQ809: Thermocouple amplifier

The DQ809 thermocouple input module permits reliable measurement of temperature. Eight commonly used thermocouple types can be connected to the amplifier using an adapter.

Temperature

More information: www.espressoDAQ.com



Powerful technical features

espressoDAQ modules	DQ430	DQ401	DQ809
Function	Bridge amplifier	Current/Voltage amplifier	Thermocouple amplifier
Number of channels	4	4	8
Inputs	Strain gage, half- and full-bridge	Current (± 25 mA) Voltage (± 10 V)	Type J, K, T, S, E, B, N, R, U, L, C thermocouples
Maximum sample rate	DC voltage: 40kS/s Carrier frequency: 500Hz, 2000Hz	40 kS/s	10kS/s
TEDS capability	Yes	Yes	No
Additional features	24-bit A/D converter per channel for synchronized measurements, automatic anti-aliasing filter		
Voltage supply	1 module directly via the PC's USB hub (5V), up to 4 modules via active USB hub (accessory)		

Get your espressoDAQ now

Order your new amplifier from the HBM Web Shop and make your measurement tasks more efficient... with espressoDAQ by HBM.



More information at

www.espressoDAQ.com

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measure and predict with confidence

