

- **YOU have the mechanics - DOLI delivers the latest electronics for material testing instruments**



- **External Digital Controller EDC220V, EDC222V and EDC580V**

Hydraulic Testing Instruments Static / dynamic

DOLI drives testing systems with single- and double-acting actuators.



The EDC offers new possibilities in data acquisition as simple acquisition only (control remains manual) or as a complete digital control system. Servo valves can be incorporated or retrofitted, as necessary. Special configurations (e.g. connection of strain gauges at the front, as shown) can be custom built as required. Needed electric, electronic and hydraulic systems are delivered conform to the latest standards. With the EDC580V, we run our dynamic tester with 500Hz sine wave.

Screw Driven Instruments Static

Based on our experience with testers, we are able to provide a solution to update almost all kinds of screw driven testing instruments. The DOLI EDC offers improved resolutions of load, position and strain. The new digital control permits advanced control of all systems and significantly enhances the machine capability. Power outputs and drives are changed or adapted as needed.

Test&Motion software offers a wide range of standard test modules. Special modules as the

Free Programming or the

Flexible Flow Control offer complete freedom in compiling custom test methods to the user – without the need of any programming knowledge.

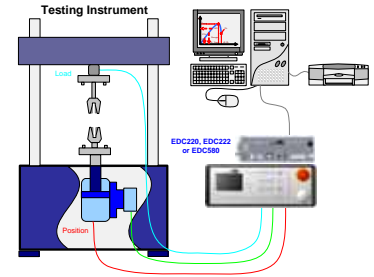


- **Each transducer connectable**
- **DoPE connects your software to the EDC**
- **EDC connects to hydraulic or electronic testers**
- **Automations can be adapted also**
- **Individual adaptations**
- **Can be used for new and old retrofit instruments of all brands**
- **ASCII Interface to LabView™, Visual Basic™ etc. via DoPE**
- **Test&Motion testing software for almost all tasks**
- **Select the exact EDC for your best profit**

- **YOU offer a state of the art testing system – for your best profit!**

EDC System Overview

The EDC220V, EDC222V and **EDC580V** from DOLI are powerful and cost effective electronic systems, designed especially for the control and data acquisition of testing instruments. They are always State-of-the-art, as shown by the new development of the EDC580V: It has more speed, a higher transfer rate, more features. The EDCs offer a load resolution of ± 180.000 steps and up to **eight option slots** (EDC580V). So, just choose the best electronics fitting for all of your drives with the best price.



Advantages

- Operation stand-alone or with a PC.
- Digital control of all – even older – testing instruments
- One standard electronics for all types of instruments – electric, hydraulic, static, dynamic
- Little space needed - compact design
- High load resolution of ± 180.000 steps
- One measuring range - no range switch necessary
- New transducer calibration with each start - sensor info stored in the plug
- Connection of different transducers
- Standard PCs can be used
- Fast connection to the PC (Ethernet)
- Serial product: high number – low costs
- More than 25,000 DOLI digital control systems are running worldwide

EDC580V extras

- 16 measuring channels with a data transfer rate to the PC of 5kHz each!
- Synchronous acquisition of all channels
- Control loop 5kHz
- Bumpless transfer between control modes
- Adaptive peak control
- Controls dynamic applications with 500Hz

You produce

- Screw driven instruments with a motor power of 12W, 160W, 320W, 1100W, 2500W
- Screw driven instruments with more power
- Hydraulic testing instruments controlled by a servo valve
- Dynamic testing systems
- Special systems e.g. concrete testers, self-constructed systems

We offer

- EDC220V/EDC222V/EDC580V as stand-alone system
- EDC220V/EDC222V/EDC580V as Interface to the PC
- RMC1/RMC5/RMC7 remote controls for different applications
- Connection to all drives from above via power amplifier or interface
- Electronic devices like safety door controls etc.
- **DoPE:** We train you to **have your software** connected

Test&Motion

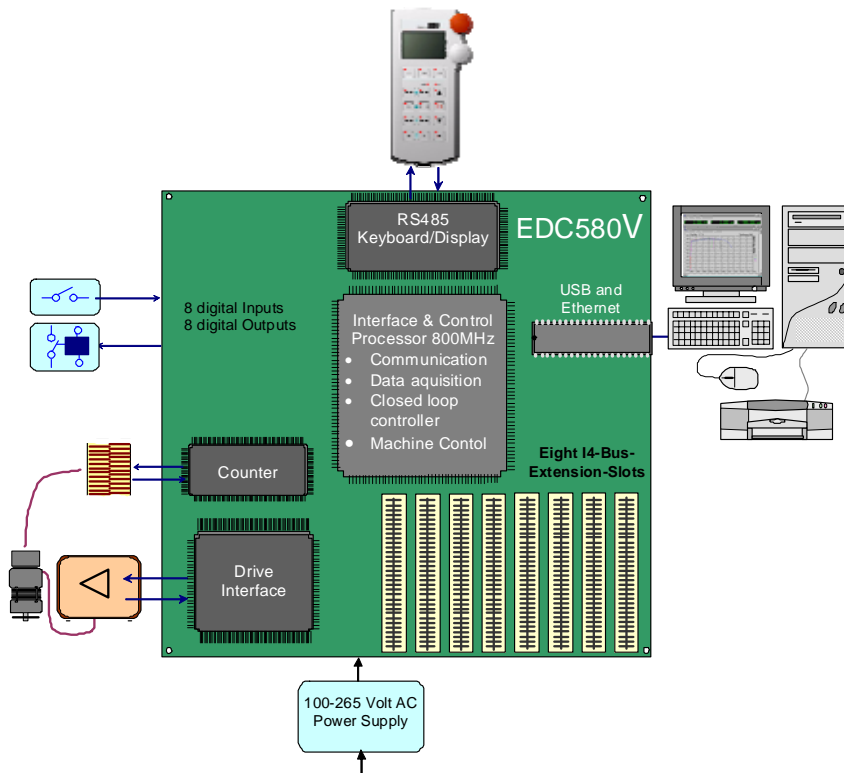
The right Software for all kinds of test applications!

Just tell us your application – we surely have the right software solution for you!

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EDC580V Block Diagram



• Visit our web page www.doli.de