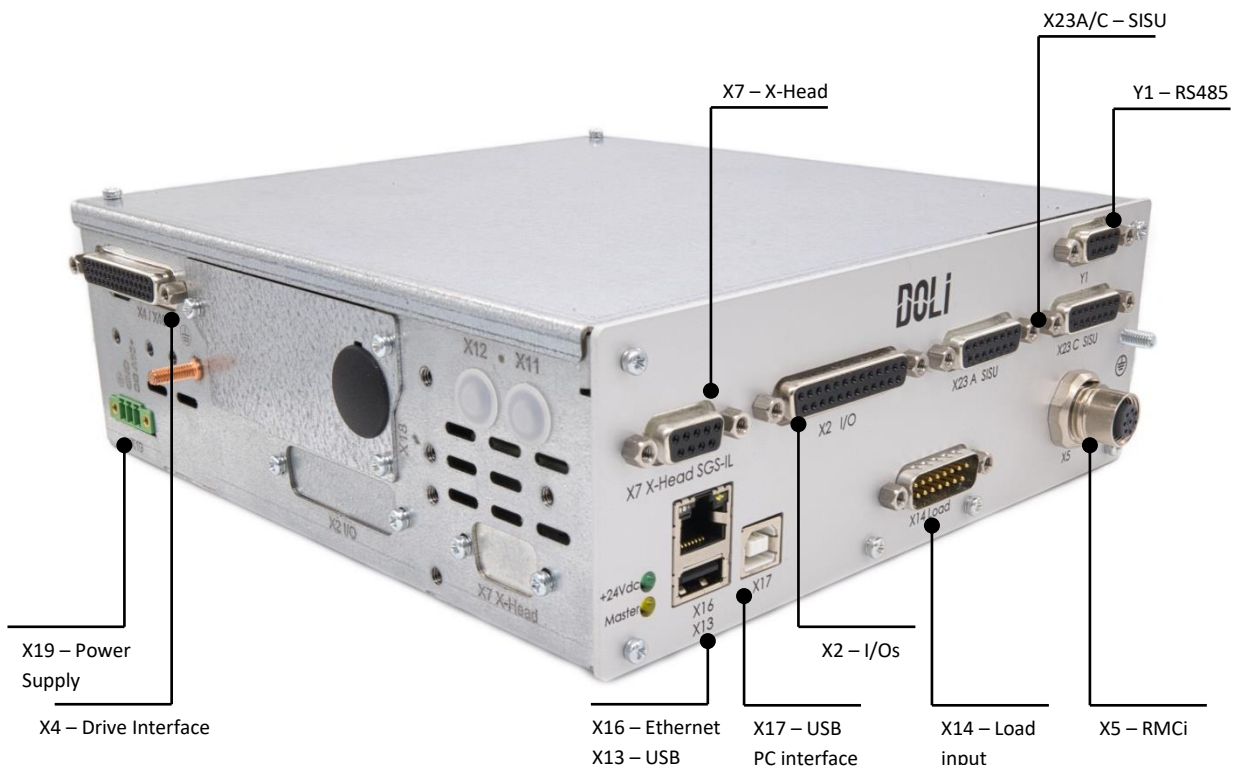


EDCi15

Universal Testing Controller



EDCi15

The EDCi15 from DOLI is a powerful and cost-effective controller optimized for static creep testing applications. It features DOLI's iCREEP distribution board with dedicated connectors, supports a 1 kHz control loop, and includes a ± 10 V drive output for amplifier connection.

The unit is housed in a robust cabinet and provides Ethernet communication for smooth integration into test setups with network-based control or monitoring. Remote operation is supported via DOLI RMCi.

Technical Specification / Data		
Dimension [mm]		200 x 190 x 67
Weight [g]		1400
Supply Voltage [V]	24V Power Plug (female)	24
Typ. Power Consumption [W]		30
Typ. Current [A]		1,25
Performance		
System and Data Acquisition Rate [kHz]		1
Test frequency [Hz]		5
Environmental Conditions		
Electromagnetic Compatibility (EMC)		IEC 61326-1:2012
RoHS Compliance		EN 50581
Communication Interfaces		
Universal digital I/O <small>24V / 100mA</small>	25-pin D-Sub Plug (female)	8 inputs 8 outputs
USB 2.0 full speed for PC Communication	USB Type B Plug	✓
USB host for USB sticks		✓
LAN 10/100 MBit	Ethernet Plug	✓
Measurement Inputs / Interfaces		
Load Channel <small>Sensor detection + calibration via I2C, 10V with 24-bit resolution</small>	15-pin D-Sub Plug (male)	✓
Drive interface <small>adjustable 31.25kHz to 4MHz, Output ± 10V with 15-bit resolution</small>	44-pin D-Sub Plug (female)	✓
iCreep Distribution Board		
Incremental line driver sensor <small>A/B/Ref., 8MHz, 5V, 32 Bit pulse counting, Sensor ID (EEPROM)</small>	9-pin D-Sub Plug (female)	✓
Incremental sine wave input <small>A/B/Ref., 50MHz, 32 Bit pulse counting, 1Vpp sine Signal type, Sensor ID (EEPROM)</small>	15-pin D-Sub Plug (female)	✓
Communication for serial sensors <small>RS485, 115,2kBaud, adjustable via Doli Installation Center</small>	9-pin D-Sub Plug (female)	✓
Software		
Doli Installation Center		
DoliDoPE, Communication library for programmers		
Standalone tests with RMCi8		
Processor		
CPU VortexDX86, 800MHz		
¹ optional feature for this device		

www.doli.de

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Document Ref. DB-EDCi15-V1.0-Rev0-20250829 | Aug 2025

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wir regeln es