



TF5130 | TC3 Robotics uniVAL PLC

The TC3 Robotics uniVAL PLC allows direct communication between the PLC and the CS8C robotics controller from Stäubli via a common interface. The robot's movements can be programmed directly in the PLC and compared with the robot's actual values in real-time. The TC3 Robotics uniVAL PLC combines PLC control and robotics on a single platform and enables programming from a single system without having to know a special robot programming language.

The communication takes place via EtherCAT, with TwinCAT and the CS8C controller from Stäubli exchanging the data as master and slave, respectively.

TwinCAT sends the motion commands to the robot via EtherCAT. Thanks to this efficient communication, commands can be sent from the PLC to the robot at high speed. In addition, the PLC programmer has real-time access to the robot's position data at all times. Other motion programs which are located in the robot controller's database can also be activated via this interface.



Technical data	TF5130
Required	TC1200
Target system	Windows XP, Windows 7/8/10, Windows CE

Ordering information	
TF5130-0040	TC3 Robotics uniVAL PLC, platform 40 (Performance)
TF5130-0050	TC3 Robotics uniVAL PLC, platform 50 (Performance Plus)
TF5130-0060	TC3 Robotics uniVAL PLC, platform 60 (Mid Performance)
TF5130-0070	TC3 Robotics uniVAL PLC, platform 70 (High Performance)
TF5130-0080	TC3 Robotics uniVAL PLC, platform 80 (Very High Performance)
TF5130-0081	TC3 Robotics uniVAL PLC, platform 81 (Many-core 5...8 cores)
TF5130-0082	TC3 Robotics uniVAL PLC, platform 82 (Many-core 9...16 cores)
TF5130-0083	TC3 Robotics uniVAL PLC, platform 83 (Many-core 17...32 cores)
TF5130-0084	TC3 Robotics uniVAL PLC, platform 84 (Many-core 33...64 cores)
TF5130-0090	TC3 Robotics uniVAL PLC, platform 90 (Other)
TF5130-0091	TC3 Robotics uniVAL PLC, platform 91 (Other 5...8 cores)
TF5130-0092	TC3 Robotics uniVAL PLC, platform 92 (Other 9...16 cores)
TF5130-0093	TC3 Robotics uniVAL PLC, platform 93 (Other 17...32 cores)
TF5130-0094	TC3 Robotics uniVAL PLC, platform 94 (Other 33...64 cores)