



## TF5810 | TC3 Hydraulic Positioning

Algorithms for the control and positioning of hydraulic axes are combined in TwinCAT Hydraulic Positioning and are available as PLCopen-compliant PLC blocks.

- programming via certified PLCopen motion blocks
- set value generators especially for hydraulic applications
- coupling of the set value generators to NC PTP/NC I/CNC possible
- free profile design through connection of customer-specific set value generators
- support of non-linear gears
- multiple-segmented movements (blending)
- support of all necessary interfaces via Beckhoff I/O system
- support of all common fieldbus systems
- all process values in physical units, determination of force true to surface
- support of standardised and application-specific controllers for position, force/pressure
- bumpless transfer of force and position control
- automatic identification of valve characteristics and axis properties
- linearisation of characteristic curves
- maintenance and commissioning tool for
  - axis parameterisation
  - valve parameterisation incl. characteristic curves
  - controller parameterisation
  - triggering of test commands
  - display of actual values

Technical data	TF5810
Required	TC1200
Target system	Windows 7/8/10, Windows CE

Ordering information	
TF5810-0v30	TC3 Hydraulic Positioning, platform 30 (Economy Plus)
TF5810-0v40	TC3 Hydraulic Positioning, platform 40 (Performance)
TF5810-0v50	TC3 Hydraulic Positioning, platform 50 (Performance Plus)
TF5810-0v60	TC3 Hydraulic Positioning, platform 60 (Mid Performance)
TF5810-0v70	TC3 Hydraulic Positioning, platform 70 (High Performance)
TF5810-0v80	TC3 Hydraulic Positioning, platform 80 (Very High Performance)
TF5810-0v81	TC3 Hydraulic Positioning, platform 81 (Many-core 5...8 Cores)
TF5810-0v82	TC3 Hydraulic Positioning, platform 82 (Many-core 9...16 Cores)
TF5810-0v83	TC3 Hydraulic Positioning, platform 83 (Many-core 17...32 Cores)
TF5810-0v84	TC3 Hydraulic Positioning, platform 84 (Many-core 33...64 Cores)
TF5810-0v90	TC3 Hydraulic Positioning, platform 90 (Other)
TF5810-0v91	TC3 Hydraulic Positioning, platform 91 (Other 5...8 Cores)
TF5810-0v92	TC3 Hydraulic Positioning, platform 92 (Other 9...16 Cores)
TF5810-0v93	TC3 Hydraulic Positioning, platform 93 (Other 17...32 Cores)
TF5810-0v94	TC3 Hydraulic Positioning, platform 94 (Other 33...64 Cores)