

TwinCAT 3 Measurement



TF3900 | TC3 Solar Position Algorithm

With the TwinCAT Solar Position Algorithm it is possible to determine the sun angle using the date, time, geographical longitude and latitude as well as further parameters (depending on the desired accuracy). The function block works with a maximum inaccuracy of $\pm 0.001^\circ$.

Technical data	TF3900
Required	TC1200
Target system	Windows XP, Windows 7/8/10, Windows CE

Ordering information	
TF3900-0020	TC3 Solar Position Algorithm, platform 20 (Economy)
TF3900-0030	TC3 Solar Position Algorithm, platform 30 (Economy Plus)
TF3900-0040	TC3 Solar Position Algorithm, platform 40 (Performance)
TF3900-0050	TC3 Solar Position Algorithm, platform 50 (Performance Plus)
TF3900-0060	TC3 Solar Position Algorithm, platform 60 (Mid Performance)
TF3900-0070	TC3 Solar Position Algorithm, platform 70 (High Performance)
TF3900-0080	TC3 Solar Position Algorithm, platform 80 (Very High Performance)
TF3900-0081	TC3 Solar Position Algorithm, platform 81 (Many-core 5...8 cores)
TF3900-0082	TC3 Solar Position Algorithm, platform 82 (Many-core 9...16 cores)
TF3900-0083	TC3 Solar Position Algorithm, platform 83 (Many-core 17...32 cores)
TF3900-0084	TC3 Solar Position Algorithm, platform 84 (Many-core 33...64 cores)
TF3900-0090	TC3 Solar Position Algorithm, platform 90 (Other)
TF3900-0091	TC3 Solar Position Algorithm, platform 91 (Other 5...8 cores)
TF3900-0092	TC3 Solar Position Algorithm, platform 92 (Other 9...16 cores)
TF3900-0093	TC3 Solar Position Algorithm, platform 93 (Other 17...32 cores)
TF3900-0094	TC3 Solar Position Algorithm, platform 94 (Other 33...64 cores)