

The tension meter is delivered with 5 different memory modes. You can store up to 999 measurement series at one or more machine positions. The number of storable measurement series is depending from the adjusted memory mode and the selected storage time and will be displayed in the setting menu of the memory mode. The tension meter can store up to 60000 measured values.

Memory Mode S - Standard

Data is recorded during a user-defined period (min 1 sec, max. 60 min).

2 readings/second will be recorded. The system will only determine and save statistical values (Last reading, average, MIN, MAX, standard deviation, PEAK-MIN and PEAK-MAX).

Sample memory printout

17.10.2018 11:37	ETX-Series-420 100 cN	Unit : cN
Material: PA 0.2 mm	Material: PA 0.2 mm	
Start: 11:32:30 17.10.18	Start: 11:33:15 17.10.18	Start: 11:33:50 17.10.18
Stop: 11:32:38 17.10.18	Stop: 11:33:23 17.10.18	Stop: 11:33:58 17.10.18
Last: 23.3	Last: 23.5	Last: 23.1
Avg: 23.6	Avg: 23.8	Avg: 23.2
Max: 24.4	Max: 24.7	Max: 24.1
Min: 21.9	Min: 22.1	Min: 21.4
Std dev: 6	Std dev: 5	Std dev: 6
Peak max: 53.5	Peak max: 53.5	Peak max: 53.5
Peak min: 4.5	Peak min: 4.5	Peak min: 4.5
HI-Alarm: 85.0	HI-Alarm: 85.0	HI-Alarm: 85.0
Lo-Alarm: 15.0	Lo-Alarm: 15.0	Lo-Alarm: 15.0
Records: 16	Records: 16	Records: 16

Memory Mode C - Continuous

Data is recorded during a user-defined period (min. 1 sec, max. 8 hrs 20 min). The system will acquire 2 measured values/sec, determine statistical values, and save them for each measurement series together with the measured values (Last reading, average, MIN, MAX, standard deviation, PEAK-MIN and PEAK-MAX).

Sample memory printout

17.10.2018 12:29	ETX-Series-420 100 cN	Unit cN
Material: PA 0.2 mm	Material: PA 0.2 mm	Material: PA 0.2 mm
Start: 12:22:19 17.10.18	Start: 12:24:05 17.10.18	Start: 12:25:13 17.10.18
Stop: 12:22:24 17.10.18	Stop: 12:24:10 17.10.18	Stop: 12:25:18 17.10.18
Last: 23.6	Last: 23.8	Last: 22.8
Avg: 23.3	Avg: 23.4	Avg: 22.4
Max: 24.1	Max: 24.3	Max: 23.3
Min: 22.1	Min: 21.8	Min: 22.2
Std dev: 0.6	Std dev: 0.8	Std dev: 0.7
Peak max: 53.4	Peak max: 57.7	Peak max: 52.8
Peak min: 4.2	Peak min: 3.6	Peak min: 4.2
HI-Alarm: 85.0	HI-Alarm: 85.0	HI-Alarm: 85.0
Lo-Alarm: 15.0	Lo-Alarm: 15.0	Lo-Alarm: 15.0
Records: 9	Records: 9	Records: 9
	23.5	24.0
	23.7	24.3
	24.1	24.1
	23.7	24.1
	23.3	23.9
	22.5	23.2
	22.1	22.2
	23.0	21.8
	20.8	18.9

Memory Mode F - Fast

is the same as mode C, however the sampling rate is faster (200 readings/second). Data recording for a period of 1 second up to 60 seconds.

Memory Mode H - Hold, Freeze Display

The last max. 128 values are saved. In graphical mode, you can freeze the display and thus view the course of the tension values after completion of the measurement. The system will determine statistical values (Last reading, average, MIN, MAX and standard deviation) and save them together with the measured values.

Sample memory printout

17.10.2018 12:22	ETX-Series-420 100 cN	Unit cN	
Material: PA 0.2 mm	Material: PA 0.2 mm	Material: PA 0.2 mm	
Start: 12:15:44 17.10.18	Start: 12:16:21 17.10.18	Start: 12:17:20 17.10.18	
Stop: 25 sec.	Stop: 25 sec.	Stop: 25 sec.	
Last: 20.7	Last: 24.6	Last: 27.2	
Avg: 23.1	Avg: 23.5	Avg: 23.4	
Max: 32.1	Max: 31.3	Max: 33.3	
Min: 13.4	Min: 14.0	Min: 13.7	
Std dev: 3.4	Std dev: 3.1	Std dev: 3.9	
Peak max: 0*	Peak max: 0	Peak max: 0	
Peak min: 0*	Peak min: 0	Peak min: 0	
HI-Alarm: 85.0	HI-Alarm: 85.0	HI-Alarm: 85.0	
Lo-Alarm: 15.0	Lo-Alarm: 15.0	Lo-Alarm: 15.0	
Records: 128	Records: 128	Records: 128	
	21.1	19.5	18.4
	24.6	27.8	28.5
	23.1	18.6	20.0
	21.9	27.9	28.4
	26.6	22.3	20.2
	18.6	26.0	28.5
	29.3	22.3	20.1
	18.2	27.8	30.7
	20.8	18.9	17.8

*PEAK are not recorded; therefore 0 in the printout

Memory Mode D - on demand

Recording single readings by the operator instigation.

Statistical values (Last reading, average, MIN, MAX, standard deviation, PEAK-MIN and PEAK-MAX) and readings will be saved for only one measurement series.

Sample memory printout

17.10.2018 12:29	ETX-Series-420 100 cN	Unit cN
Material: PA 0.2 mm		
Start: 12:22:19 17.10.18		
Stop: 12:22:24 17.10.18		
Last: 23.6		
Avg: 23.3		
Max: 24.1		
Min: 22.1		
Std dev: 0.6		
Peak max: 53.4		
Peak min: 4.2		
HI-Alarm: 85.0		
Lo-Alarm: 15.0		
Records: 9		
	23.5	
	23.7	
	24.1	
	23.7	
	23.3	
	22.5	
	22.1	
	23.0	
	20.8	