

The tension meter is delivered with 5 different memory modes. You can store up to 255 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	DTX-Series-921 1000 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: 233	Last: 235	Last: 231
Avg: 236	Avg: 238	Avg: 232
Max: 244	Max: 247	Max: 241
Min: 219	Min: 221	Min: 214
Std dev: 6.0	Std dev: 5.7	Std dev: 6.2
Peak max: 535	Peak max: 535	Peak max: 535
Peak min: 45	Peak min: 45	Peak min: 45
HI-Alarm: 850	HI-Alarm: 850	HI-Alarm: 850
Lo-Alarm: 150	Lo-Alarm: 150	Lo-Alarm: 150
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	DTX-Series-921 1000 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: 236	Last: 238	Last: 228
Avg: 233	Avg: 234	Avg: 224
Max: 241	Max: 243	Max: 233
Min: 221	Min: 218	Min: 222
Std dev: 6.3	Std dev: 7.1	Std dev: 6.8
Peak max: 534	Peak max: 577	Peak max: 528
Peak min: 42	Peak min: 36	Peak min: 42
HI-Alarm: 850	HI-Alarm: 850	HI-Alarm: 850
Lo-Alarm: 150	Lo-Alarm: 150	Lo-Alarm: 150
Records: 9	Records: 9	Records: 9
235	240	240
237	243	243
241	241	241
237	241	241
233	239	239
225	232	232
221	222	222
230	218	218
208	189	189

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	DTX-Series-921 1000 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: 207	Last: 246	Last: 272
Avg: 231	Avg: 235	Avg: 234
Max: 321	Max: 313	Max: 333
Min: 134	Min: 140	Min: 137
Std dev: 34	Std dev: 31	Std dev: 39
Peak max: 0*	Peak max: 0	Peak max: 0
Peak min: 0*	Peak min: 0	Peak min: 0
HI-Alarm: 850	HI-Alarm: 850	HI-Alarm: 850
Lo-Alarm: 150	Lo-Alarm: 150	Lo-Alarm: 150
Records: 128	Records: 128	Records: 128
	211	195
	246	278
	231	186
	219	279
	266	223
	186	260
	293	223
	182	278
	208	189
		184
		285
		200
		284
		202
		285
		201
		307
		178

*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	DTX-Series-921 1000 cN	Unit cN
Material: PA 0.2 mm		
Start: 12:22:19 17.10.18		
Stop: 12:22:24 17.10.18		
Last: 236		
Avg: 233		
Max: 241		
Min: 221		
Std dev: 6.0		
Peak max: 534		
Peak min: 42		
HI-Alarm: 850		
Lo-Alarm: 150		
Records: 9		
	235	
	237	
	241	
	237	
	233	
	225	
	221	
	230	
	208	