

Tube Analyzer - Technical data sheet

	TubeAnalyzer f8	TubeAnalyzer f24	TubeAnalyzer f96
Number of AI - channels	7 (+1)	20	Configurable up to 96
Number of pwm - channels	0	4	Configurable up to 80

Measurement properties			
frequency: 1,5 Hz - 100 KHz period: 0,01 ms - 655,35 ms duty cycle: 0..100% amplitude: -/+60 V			
Max. sample rate per channel	100 KHz		
Min. sample rate per channel	1 Hz		
Max. sample rate on all channels parallel	100 KHz		
Flexible sample rate on all channels in case of "passed" tube (s. page 3)	●		
Flexible sample rate on all channels in case of "failed" tube (s. page 3)	●		
Logging in TDMS file format for all channels parallel	●		
Pretrigger	●		
Posttrigger	●		
Remote control over Shared Variables	●		
External clock	-	●	●
External trigger	analog (channel 8)	digital	digital

Tube Analyzer package includes	
Tube Analyzer Testrun Generator	●
Tube Analyzer	●
Tube Analyzer / RTStand Log Viewer	●
Include 1 Year SSP (Standard Service Program)	●

System requirements			
RAM [GB]	8	16	min 16
Operating system	WIN 7/64 bit	WIN 7/64 bit	WIN 7/64 bit
Harddisk min. 250 GB	SSD	SSD	SSD
Connection	USB	LAN	PCIe

legend: - not supported, ● supported

Hardware specification

Measurement accuracy / Noise – calibrated / 25°C	+/- 126mV for 12V
Voltage range	+/- 60V
Input bandwidth (-3 dB)	950 kHz min

Sample/Log rate – supported combinations

P_Sample	P_Log																	
100 KHz	50KHz	25KHz	20KHz	10KHz	5KHz	2KHz	1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz
50KHz	25KHz	10KHz	5KHz	1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz			
25KHz	5KHz	1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz					
20KHz	10KHz	5KHz	2KHz	1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz			
10KHz	5KHz	2KHz	1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz				
5KHz	1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz						
2KHz	1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz						
1KHz	500Hz	250Hz	200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz							
500Hz	250Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz									
250Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz											
200Hz	100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz										
100Hz	50Hz	25Hz	20Hz	10Hz	5Hz	2Hz	1Hz											
50Hz	25Hz	10Hz	5Hz	2Hz	1Hz													
25Hz	5Hz	1Hz																
20Hz	10Hz	5Hz	2Hz	1Hz														
10Hz	5Hz	2Hz	1Hz															
5Hz	1Hz																	
2Hz	1Hz																	
1Hz	1Hz																	