

TEXVIK technical specification

Parameter	Value
Number of analog inputs	8
Voltage range of analog inputs (auto configurable)	(I) +/- 6 V
Analog input electrical parameters	1 Mohm, 12 pF
ADC depth	12 bits
Sampling frequency in analog oscilloscope mode	1- channel mode - 20 MHz 2- channels mode - 10 MHz 4- channels mode - 5 MHz 8- channels mode - 2 MHz alternatively: 1- channel mode - 12.5 MHz 2- channels mode - 5 MHz 4- channels mode - 2.5 MHz 8- channels mode - 1.25 MHz
PC interface type	USB 2.0 high speed 480 Mbs
Maximal (supported from device side) data stream	44.82 Mbytes/s
Data FIFO buffer depth	~100 Kbytes
Galvanic isolation resistance (measurement ground <> PC signal ground)	>= 10 Gohm
Galvanic isolation capacitance	up to 12 pF
Isolation test voltage	2.5 kV duration 1 min.
Device supply source	from PC by USB cable or external 5V source
Power consumption	operate condition: up to 220 mA idle: up to 70 mA

Additional properties.

1. Input channels have cable/sensor plug-and-play functionality. This helps to automatically detect and adjust input parameters and software for currently connected input unit.
2. Device have adjustable data throughput configuration, to adapt device for local PC configuration. Maximal data transfer can be configured for 14.9, 17.9, 23.8 or 28,6 MB/s throughput.
3. Device supporting 10,12...16 bits configuration. As far as hardware device resolution is 12 bits, additional bits resolution achieved by internal oversampling mechanism.
4. Device is supplied with application upgrade mechanism to let customer use latest functional extensions and improvements.