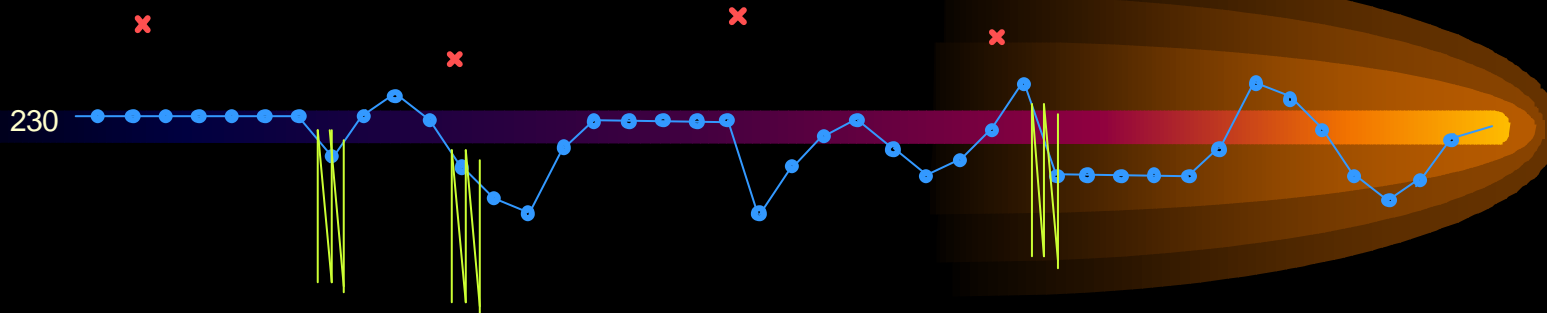
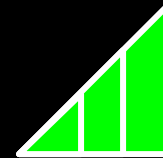


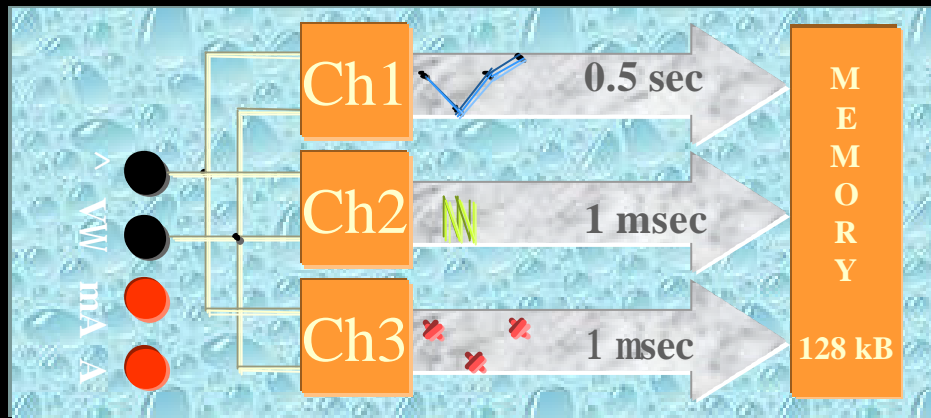
METRAHit 29S

Recording Power Disturbances (sec)

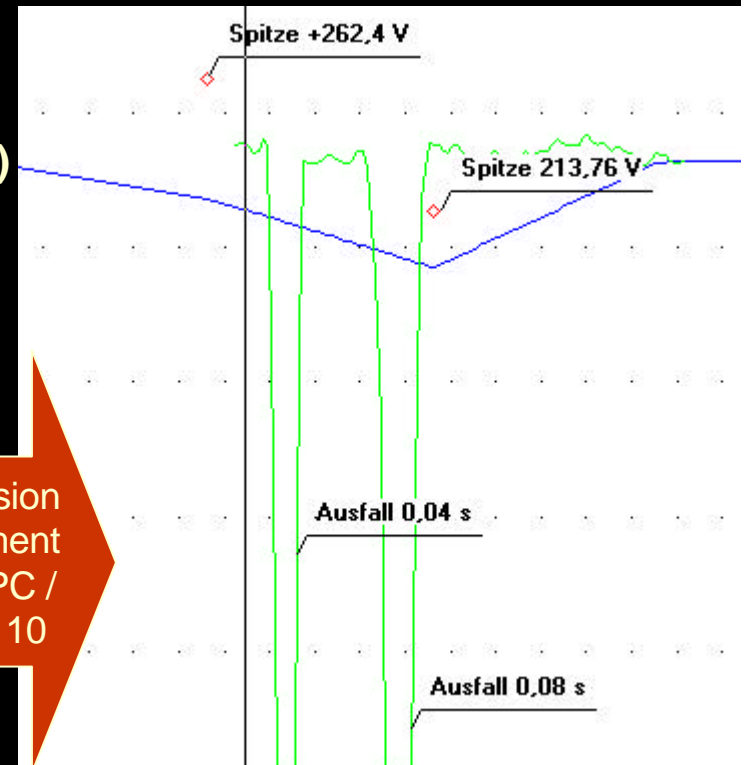


Real-time recording to an integrated memory with voltage input (GND / voltage, fct. VAC, mains trigger) to 3 internal channels:

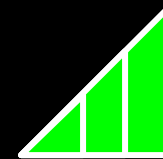
- Ch1 Voltage characteristics (potentiometric recorder)
- Ch2 Voltage dips, failures (high-speed recorder)
- Ch3 Rapid transients (+/- peak value in real-time)



IR Transmission of measurement data to the PC / METRAWin 10

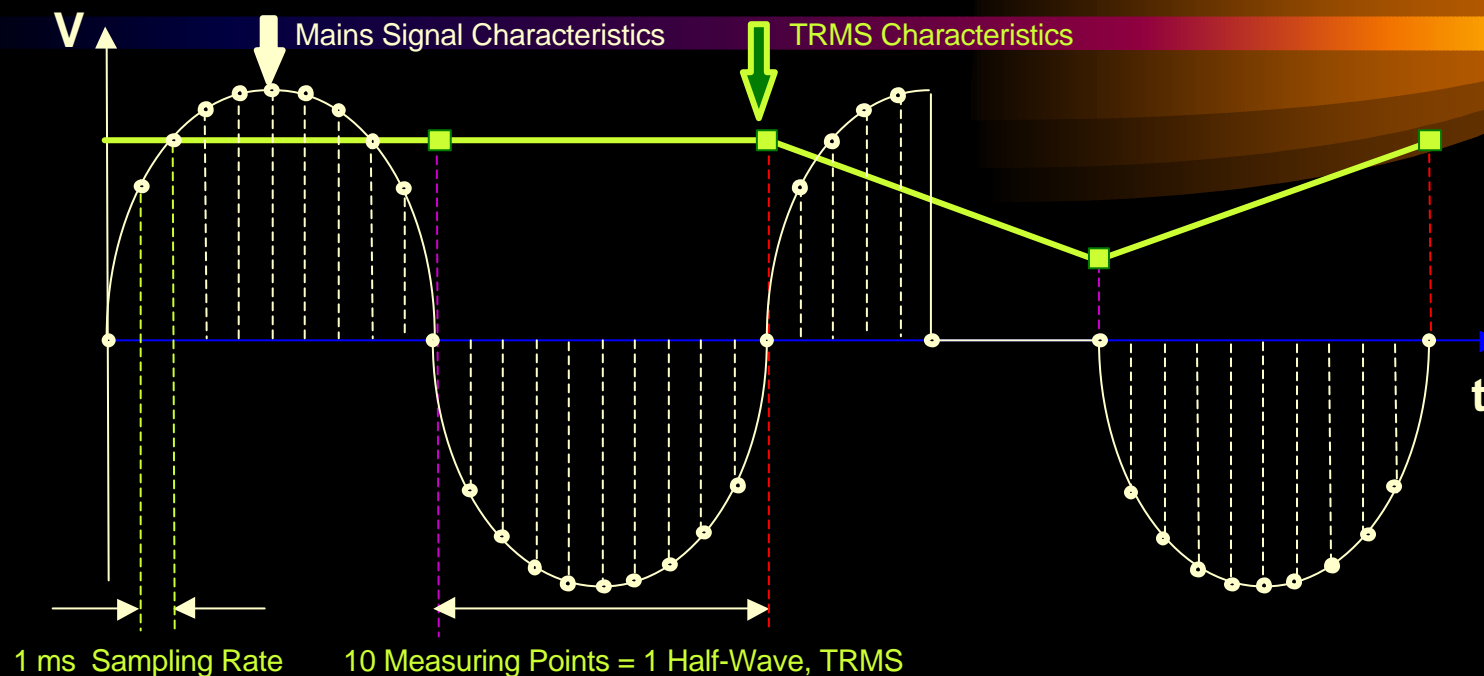
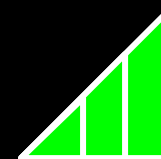


METRAHit 29S, Channel 1: Recording Mains Fluctuations (sec)



Sampling takes place continuously at an interval of 0.5 sec.
The recorded results are displayed by means of linear
interpolation as a Yt diagram.

METRAHit 29S, Channel 2: Acquiring Rapid Power Disturbances (ms)

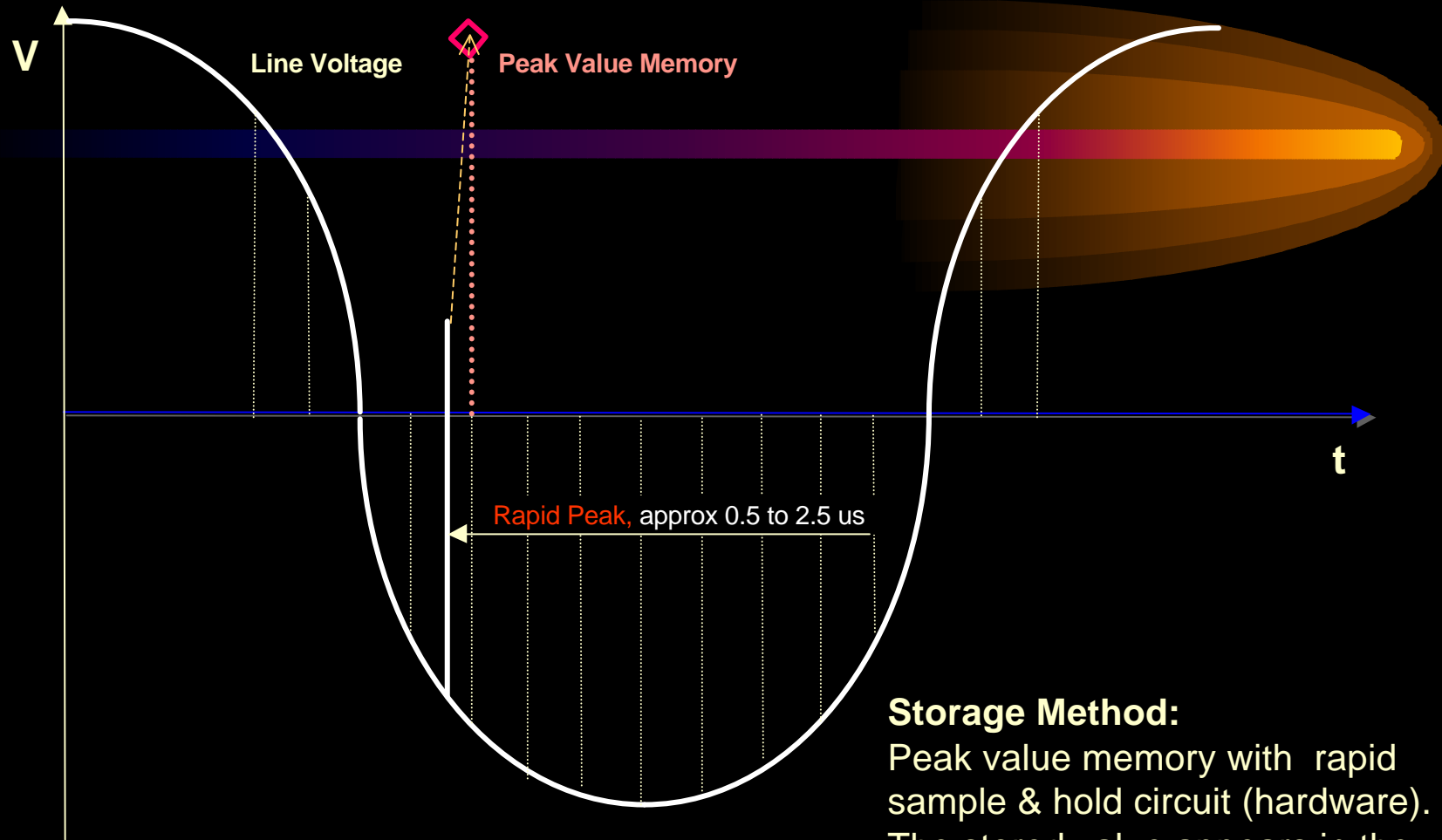
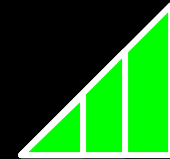


**1000 measuring points with 1 ms sampling rate condensed to
100 half-wave TRMS memory values (1 s recording time)**

- 10 pre-trigger measured values (0.1 s),
- 90 post-trigger measured values (0.9 s)

Recording points are displayed as a linear interpolation.

METRAHit 29S, Channel 3: Acquiring Transient Power Disturbances (us)



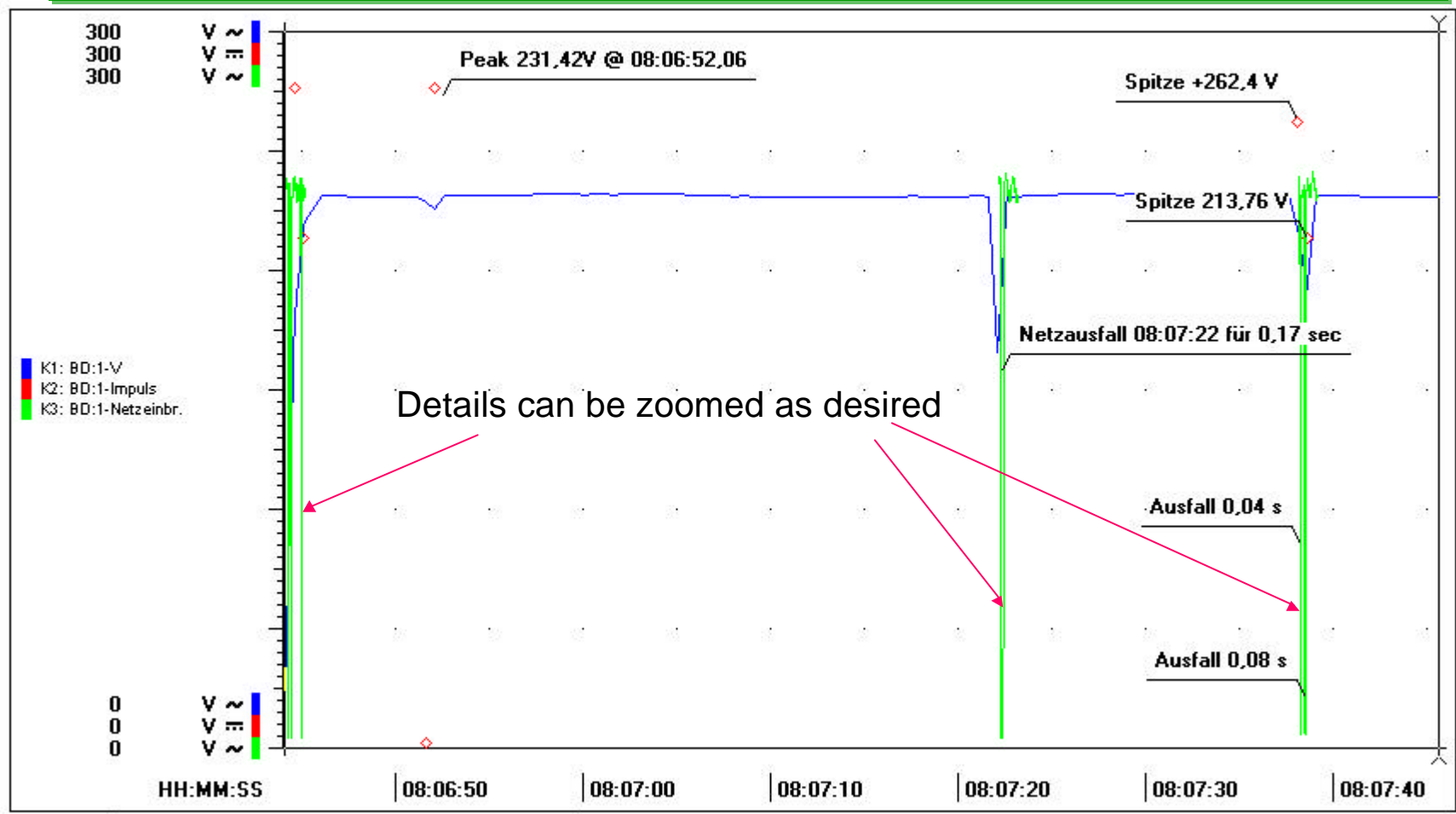
Storage Method:
Peak value memory with rapid sample & hold circuit (hardware).
The stored value appears in the diagram as a red mark.



Trig: AUS
Kanal: 123

Zustand: Datei zeigen MAINS2.MDF
Datei: Meßwerte 430 Intrv. 0,01

METRAHit 29S: Power Disturbance Example - Overview



Details can be zoomed as desired

Kanal:	<input checked="" type="checkbox"/>	Min:	Mitt:	Max:	Curs: > 1999.09.09 08:07:45,5625 (+01:01,5625)	
1		24,880	229,34	232,33	231,42 V	
2	M	-212,48	171,73	276,48		
3		05,000	197,95	242,00		

METRAHit 29S: Power Disturbance Example - Detail

