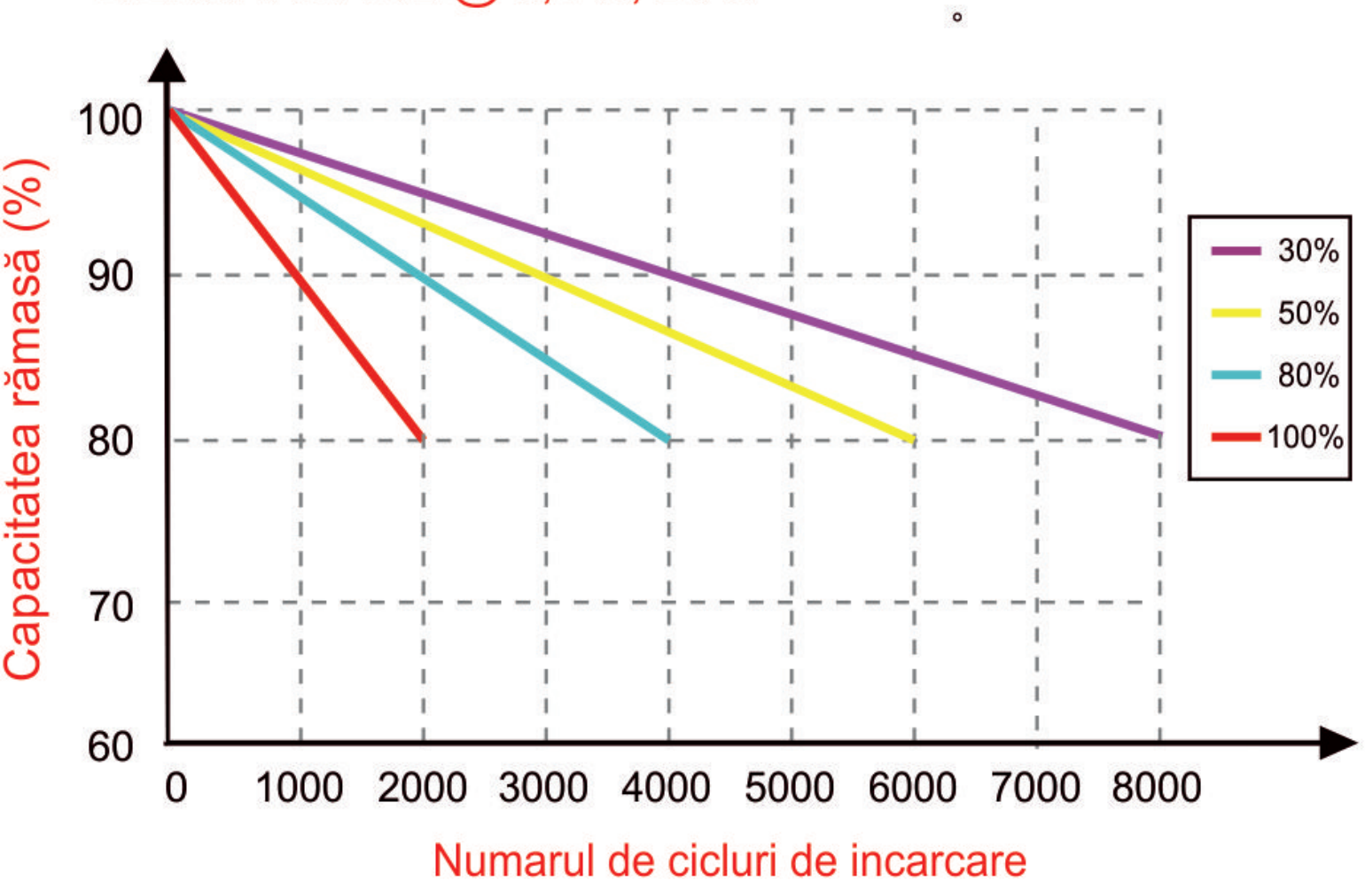
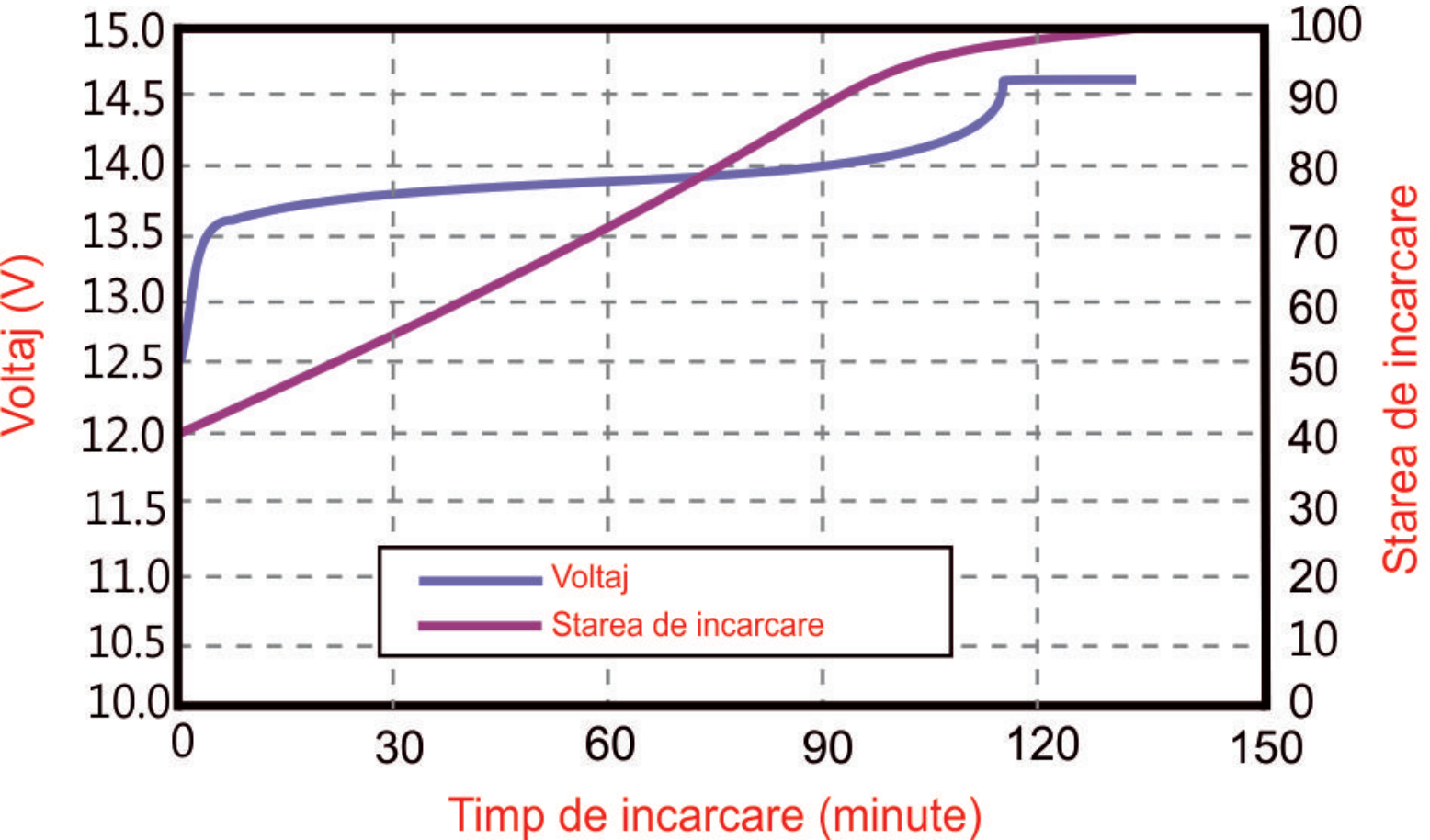
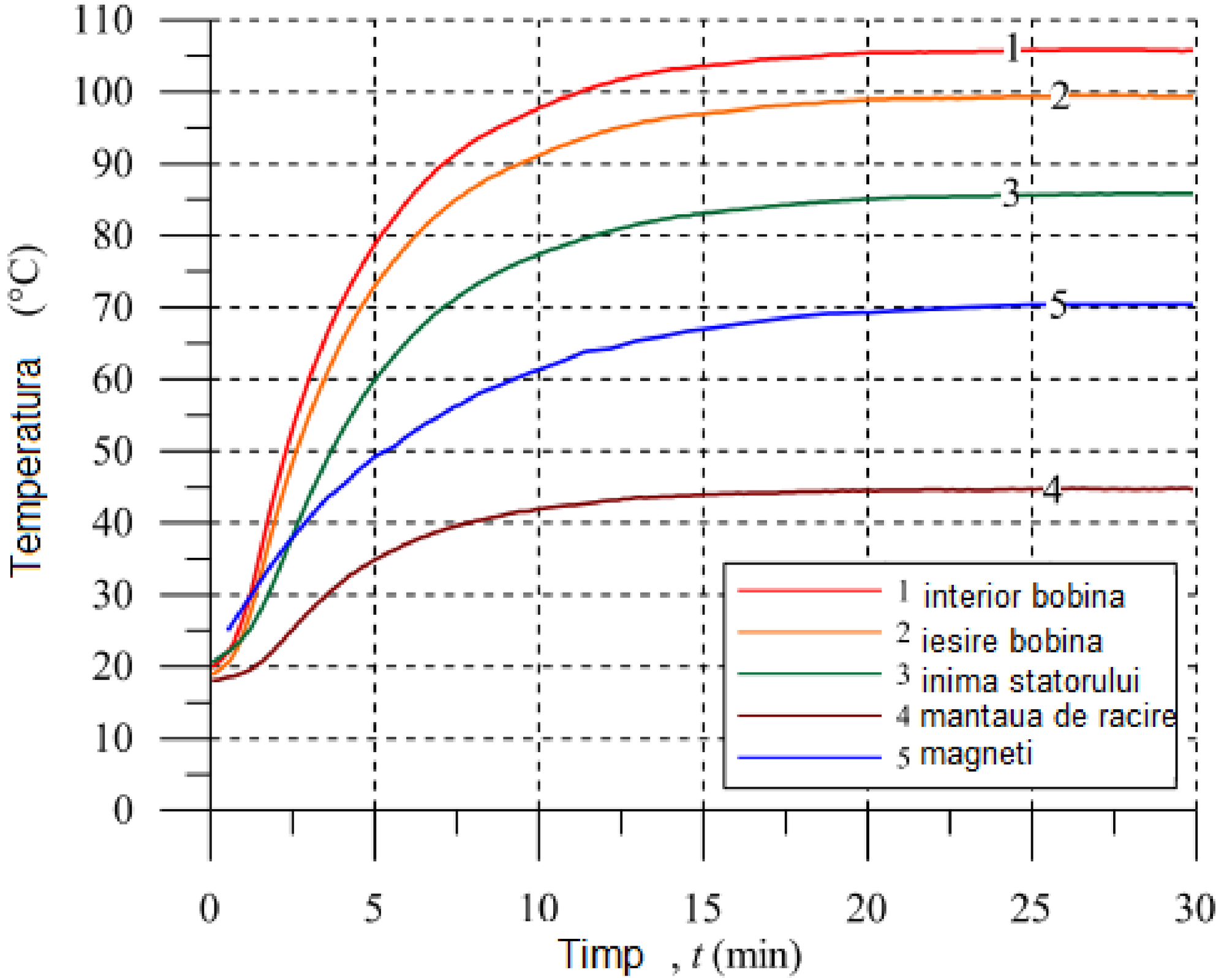
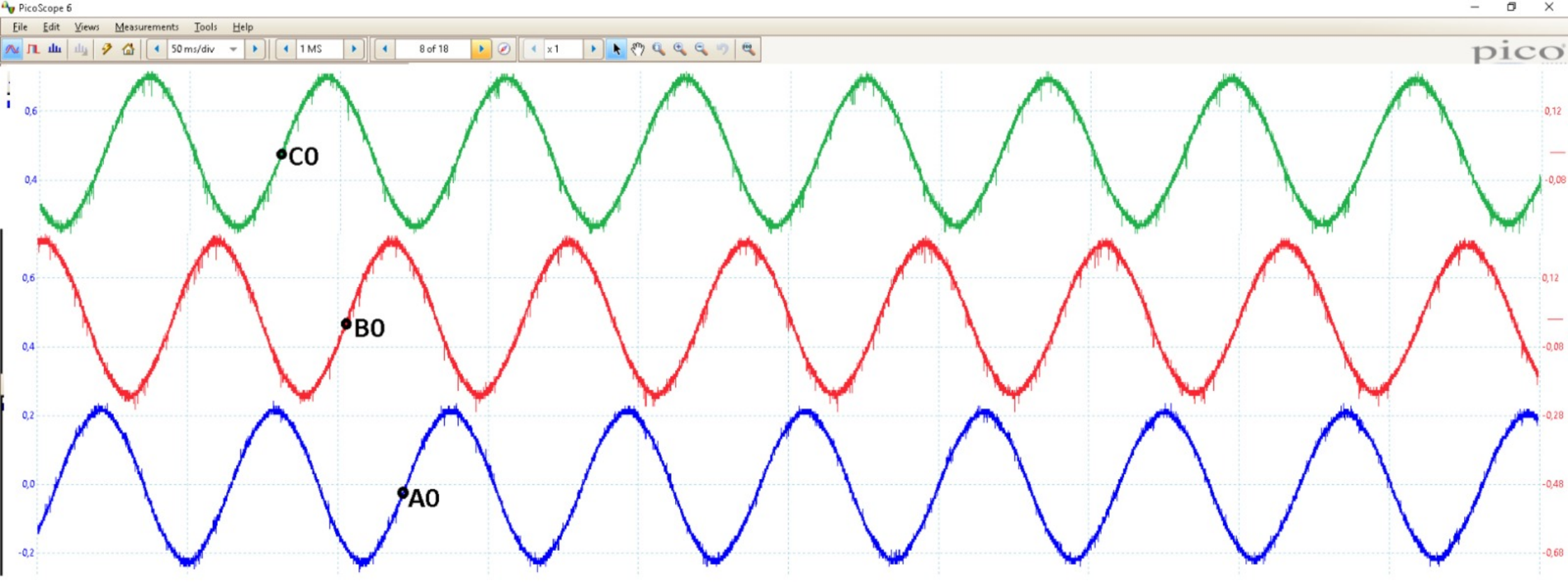
CICLU DE VIAȚĂ vs. ADÂNCIME DE DESCĂRCARE (DOD)
DESCARCARE @ 0,1 C, 25 C



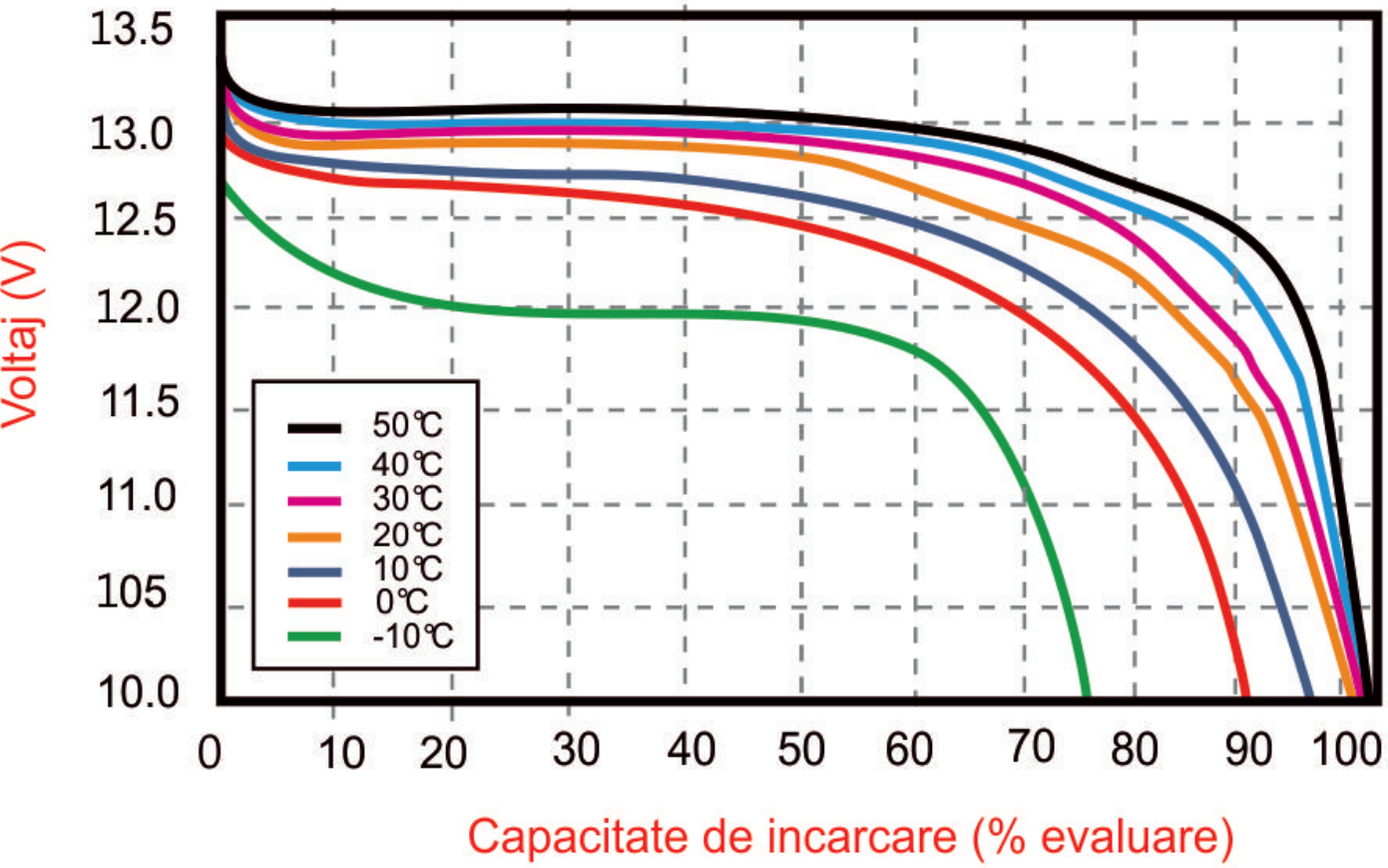
CURBA STARE DE ÎNCĂRCARE @0,5C, 25 C°



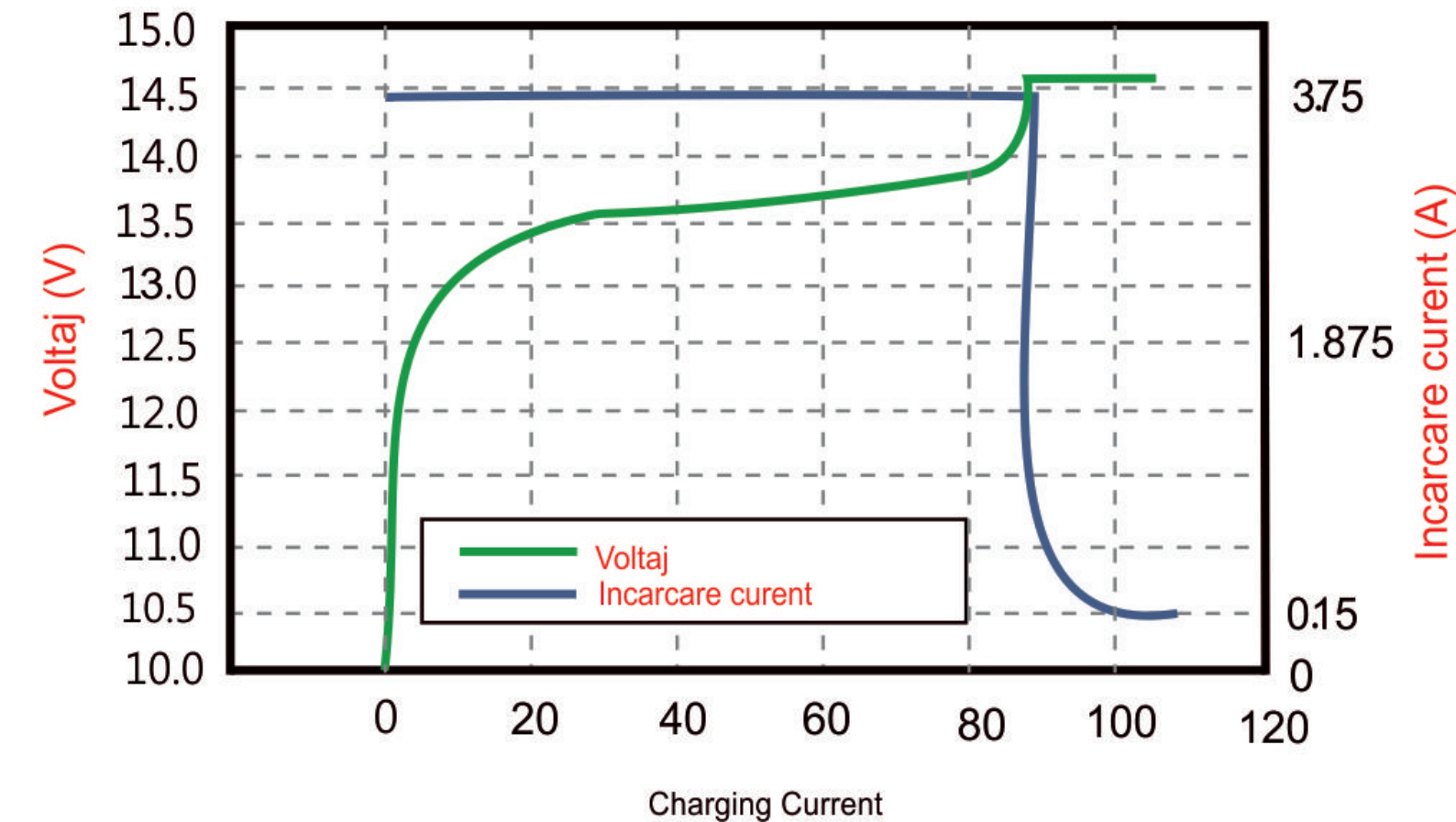

110
100
90
80
70
60
50
40
30
20
10
0
Temperatura (°C)
0
5
10
15
20
25
30
Timp , t (min)
1
2
3
4
5
1 interior bobina
2 iesire bobina
3 inima statorului
4 mantaua de racire
5 magneti

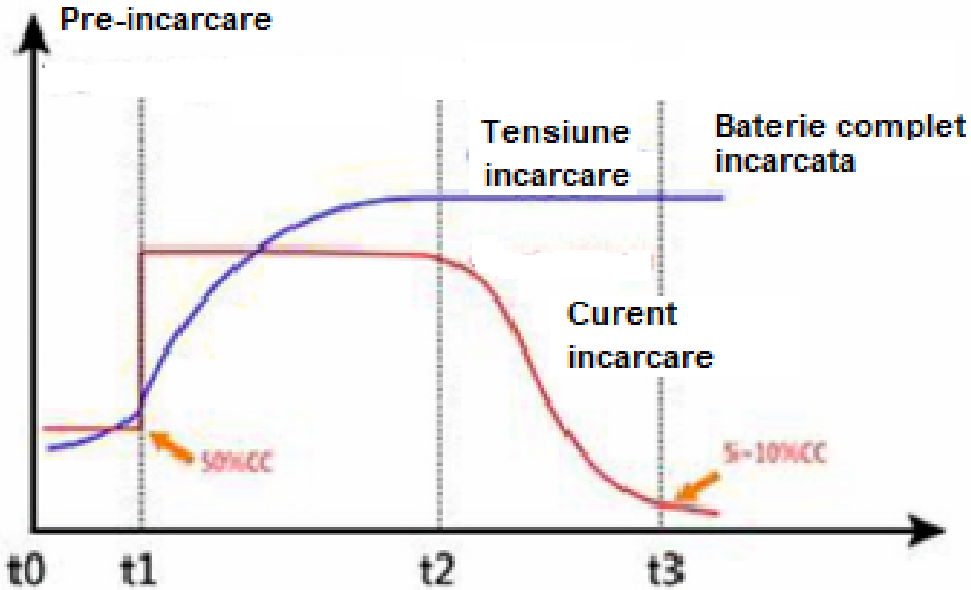

PicoScope 6
File
Edit
Views
Measurements
Tools
Help
50 ms/div
1 MS
8 of 18
x 1
pico
C0
B0
A0
0,6
0,4
0,2
0,0
-0,2
0,12
-0,08
-0,28
-0,48
-0,68

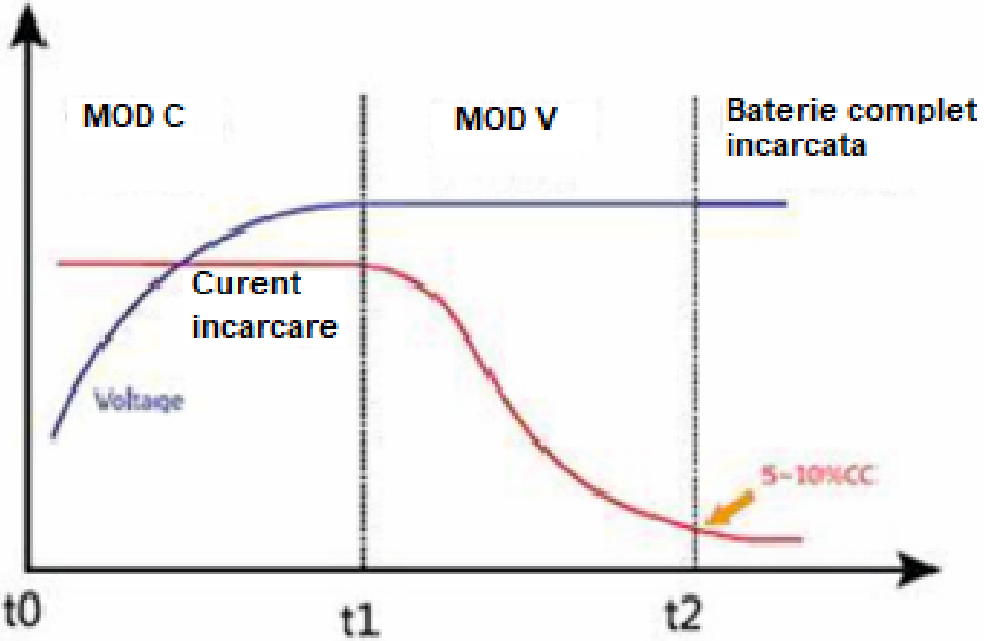
CAPACITATE DE DESCARCARE la DIVERSE TEMPERATURI DESCARCARE @1C

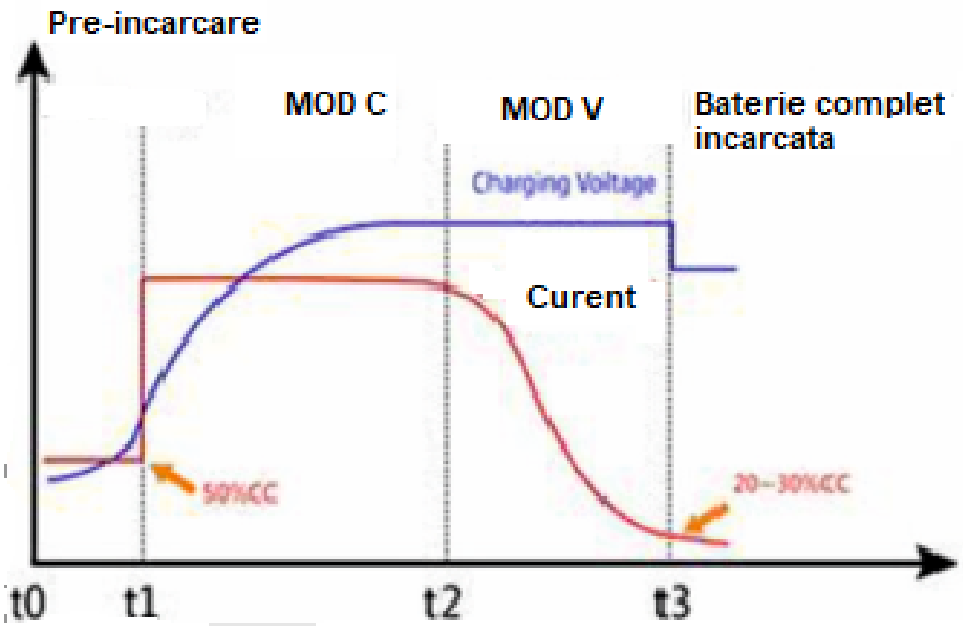


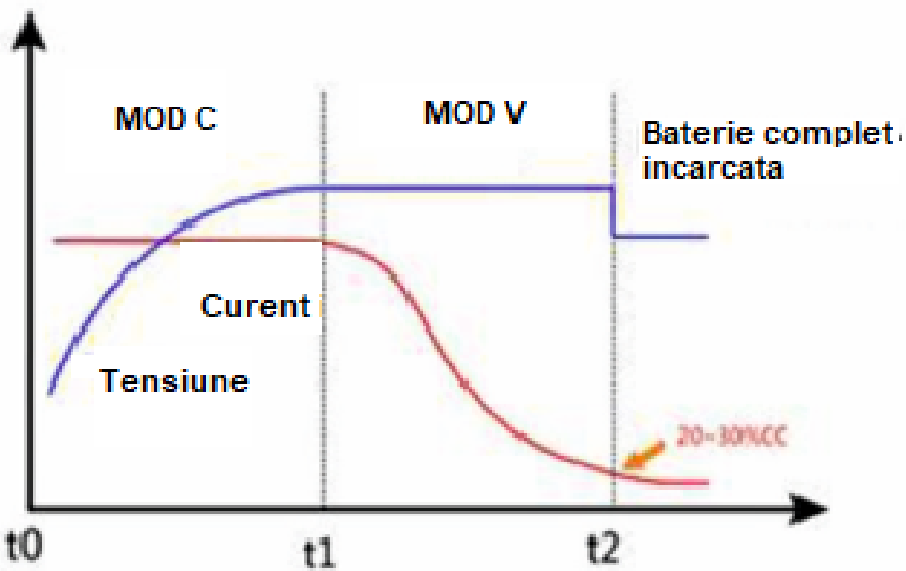
CARACTERISTICI DE INCARCARE @0.5C, 25 ℃

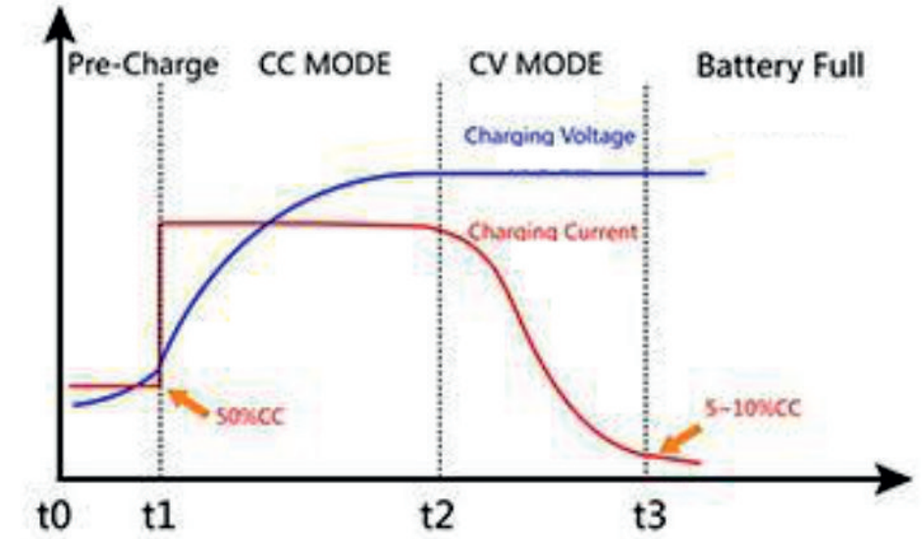


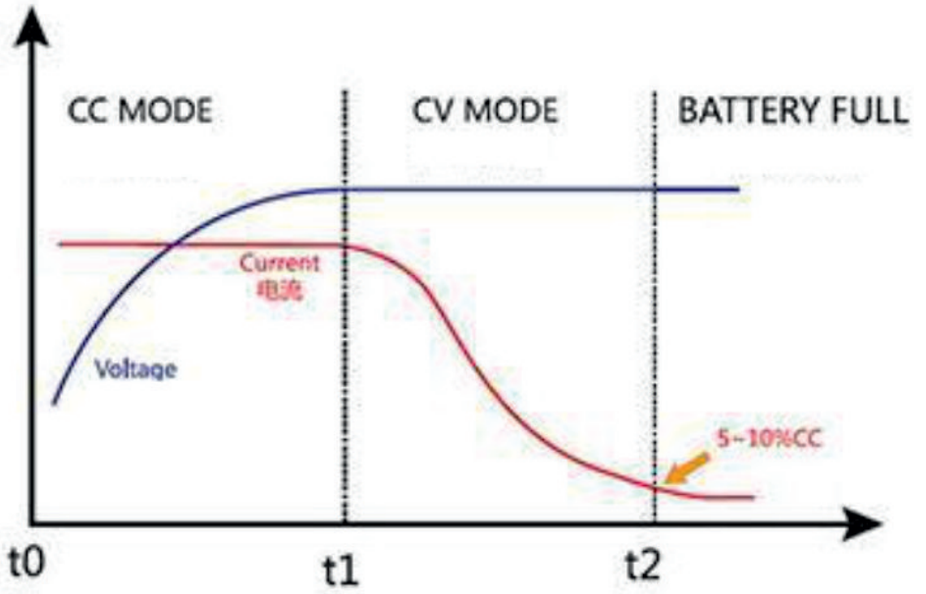

Pre-incarcare
Tensiune
incarcare
Baterie complet
incarcata
Curent
incarcare
50%CC
5~10%CC
t0
t1
t2
t3

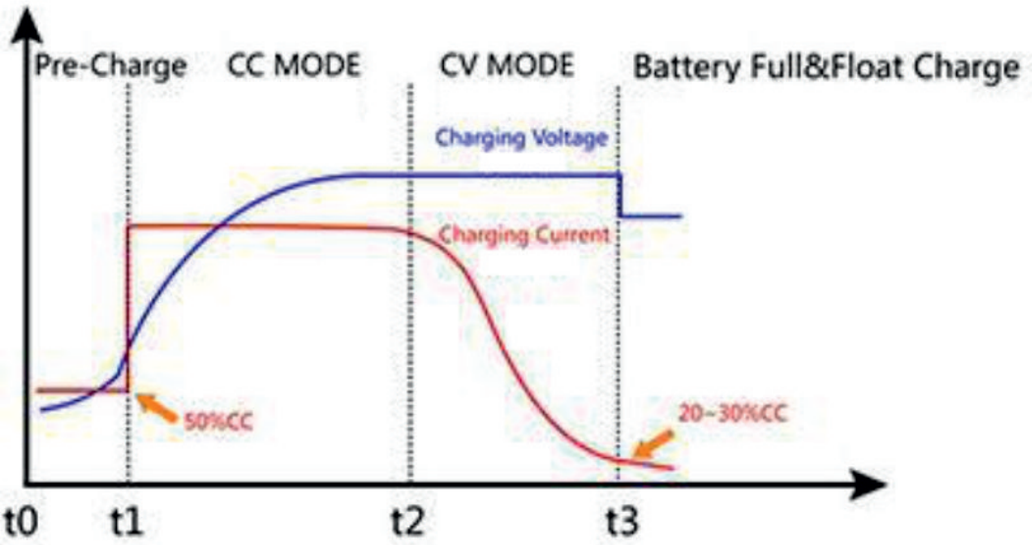

MOD C
MOD V
Baterie complet
incarcata
Curent
incarcare
Voltage
5~10%CC
t0
t1
t2

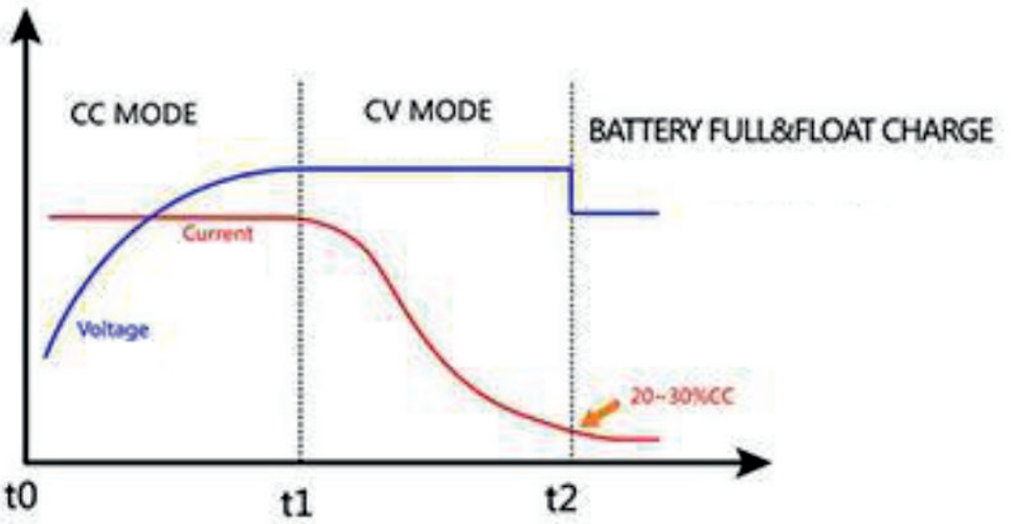

Pre-incarcare
MOD C
MOD V
Baterie complet
incarcata
Charging Voltage
Curent
50%CC
20~30%CC
t0
t1
t2
t3

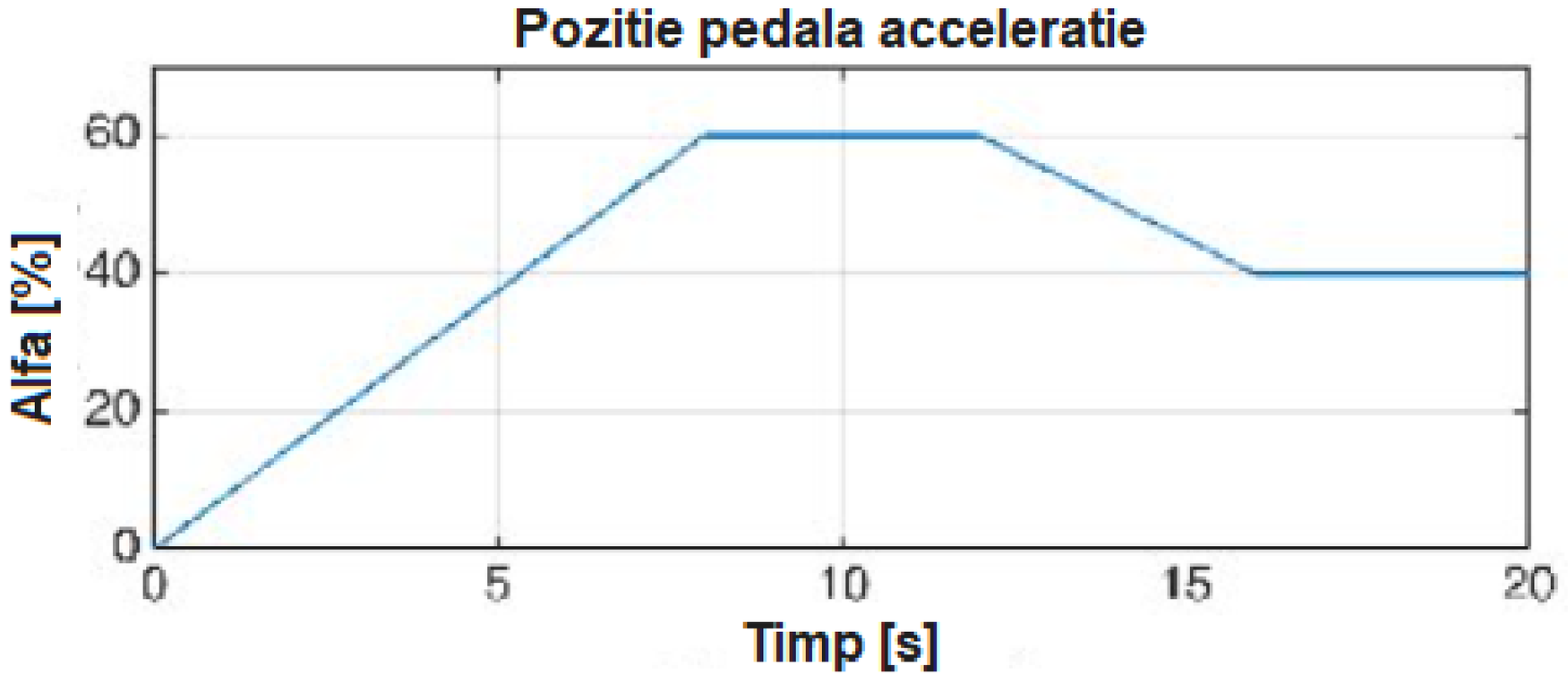

MOD C
MOD V
Baterie complet
incarcata
Curent
Tensiune
20~30%CC
t0
t1
t2

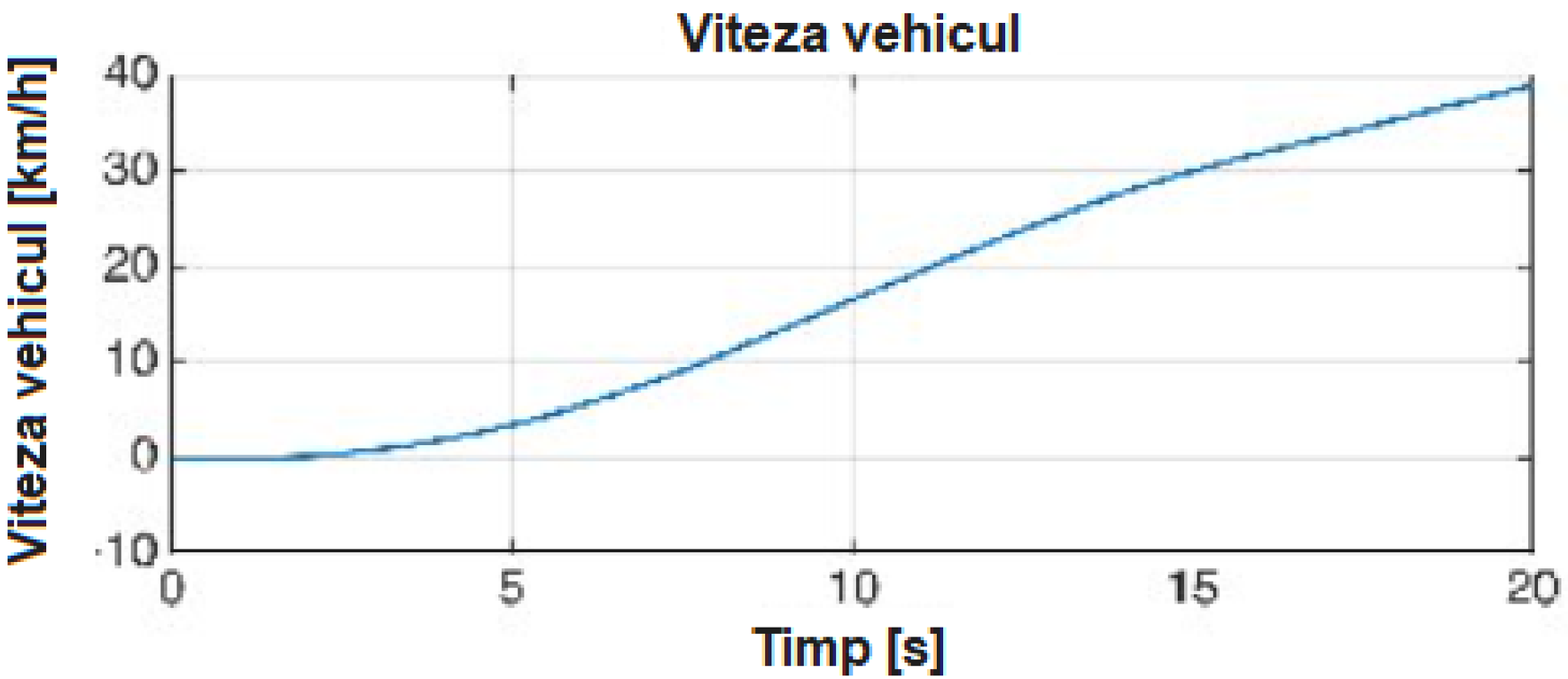

Pre-Charge
CC MODE
CV MODE
Battery Full
Charging Voltage
Charging Current
50%CC
5~10%CC
t0
t1
t2
t3

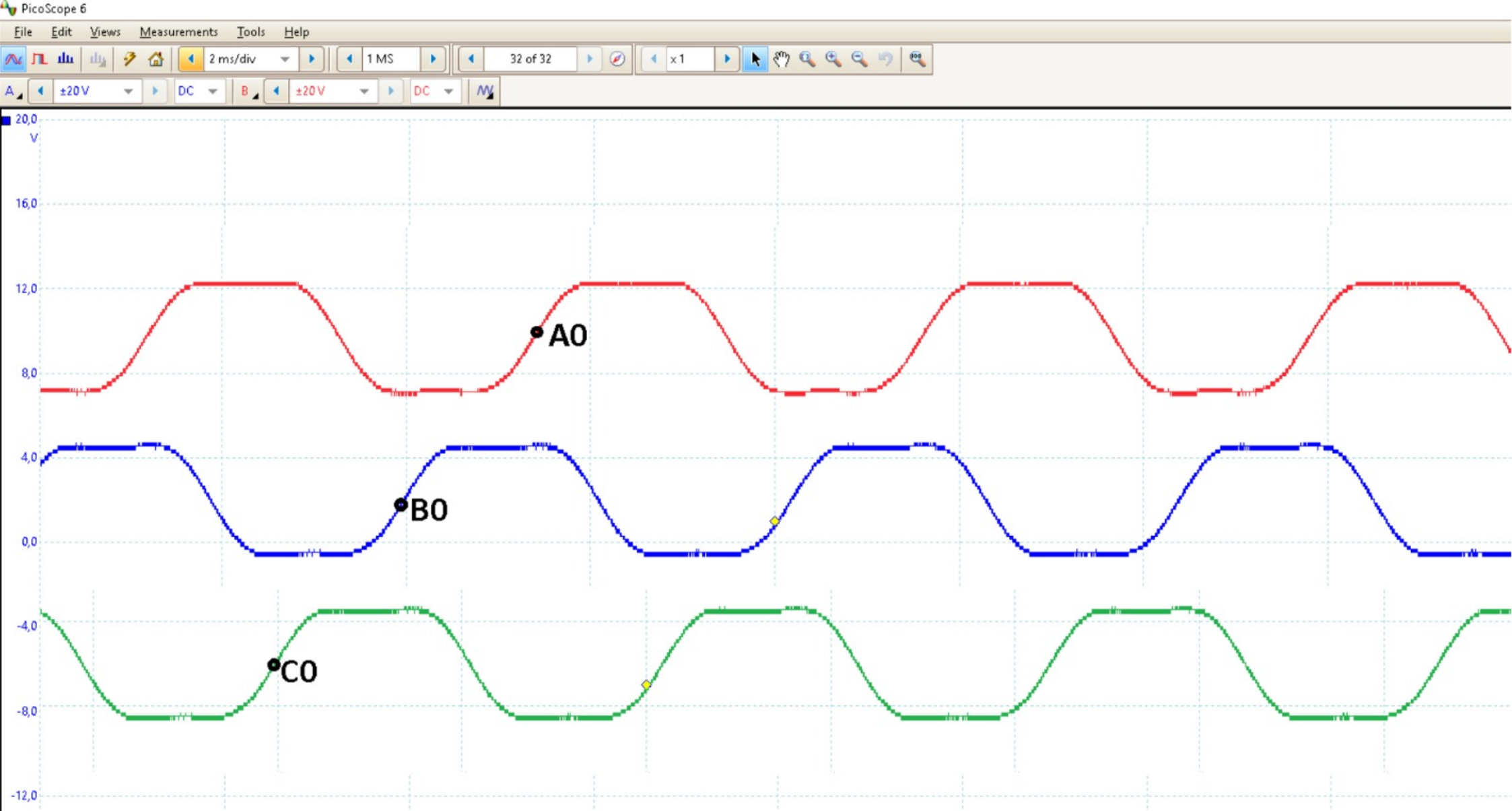

CC MODE
CV MODE
BATTERY FULL
Current
Voltage
5~10%CC
t0
t1
t2

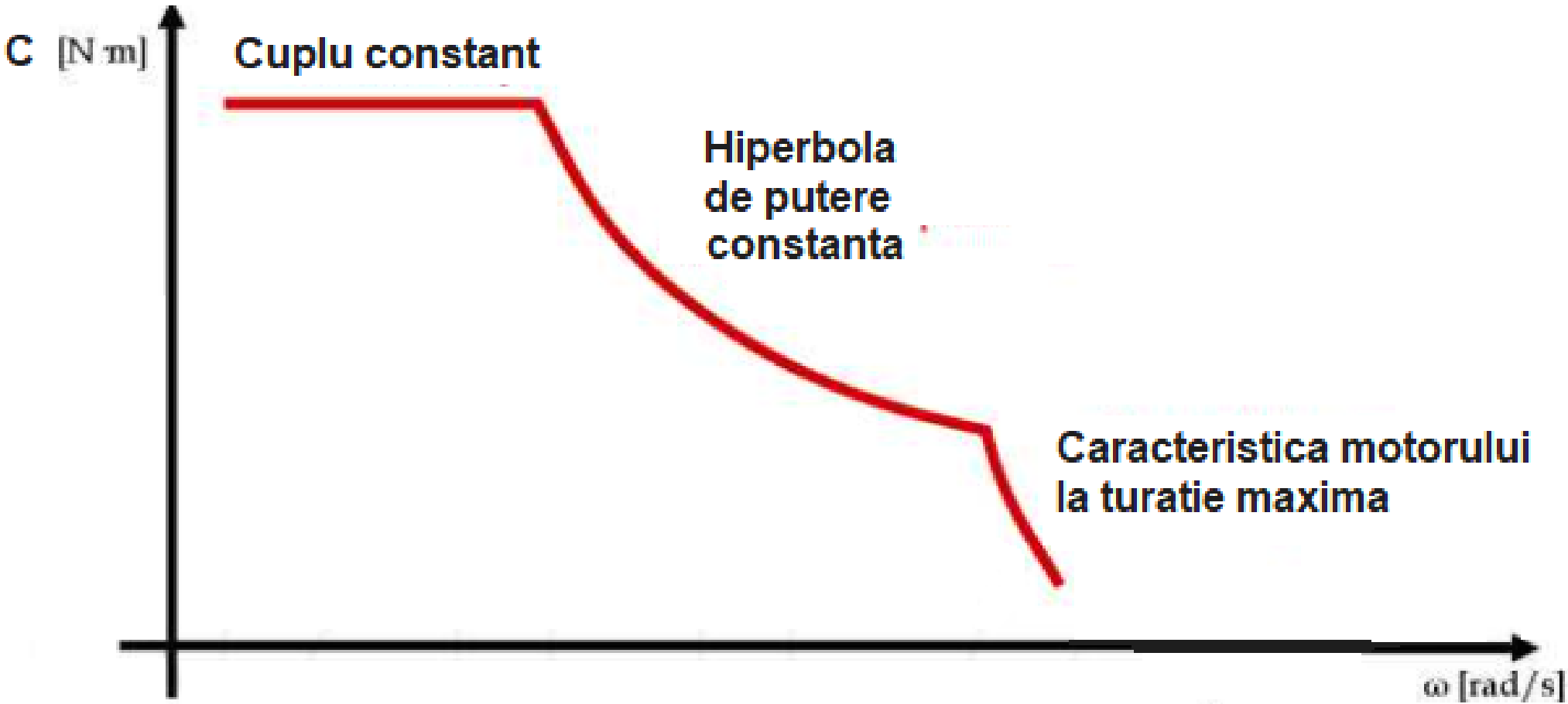

Pre-Charge
CC MODE
CV MODE
Battery Full&Float Charge
Charging Voltage
Charging Current
50%CC
20~30%CC
t0
t1
t2
t3


CC MODE
CV MODE
BATTERY FULL&FLOAT CHARGE
Current
Voltage
20~30%CC
t0
t1
t2


Pozitie pedala acceleratie
Alfa [%]
60
40
20
0
0
5
10
15
20
Timp [s]


Viteza vehicul
Viteza vehicul [km/h]
40
30
20
10
0
-10
0
5
10
15
20
Timp [s]


PicoScope 6
File
Edit
Views
Measurements
Tools
Help
2 ms/div
1 MS
32 of 32
x1
A
±20 V
DC
B
±20 V
DC
20,0
V
16,0
12,0
8,0
4,0
0,0
-4,0
-8,0
-12,0
A0
B0
C0

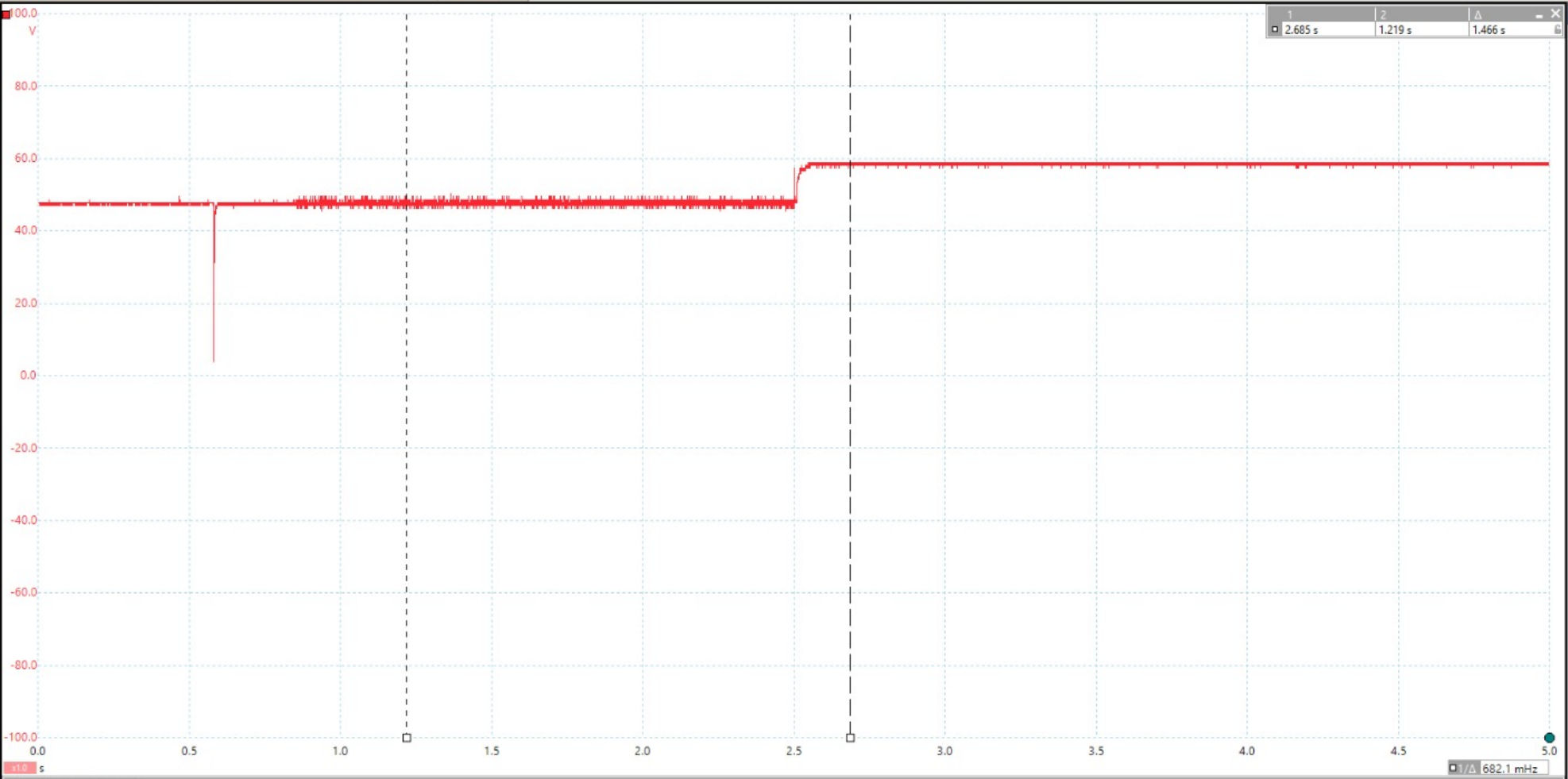

C [N m]
Cuplu constant
Hiperbola
de putere
constanta
Caracteristica motorului
la turatie maxima
ω [rad/s]

PicoScope 6

File Edit Views Measurements Tools Help

500 ms/div | 1 MS | 7 of 9 | x 1

A Off DC B ±100 V DC



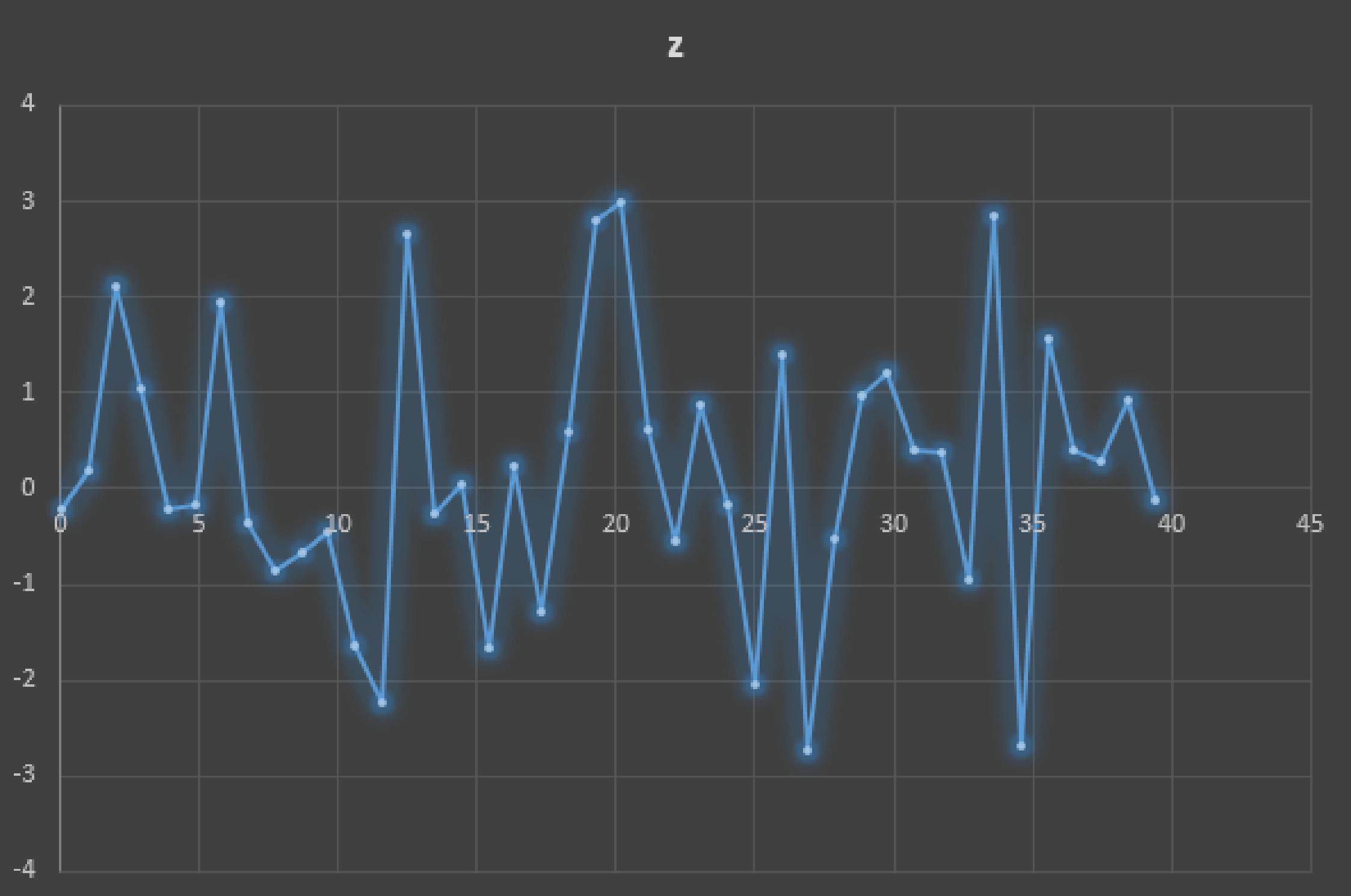
Properties

Sample interval	5 µs
Sample rate	200 kS/s
No. samples	1,000,000
Channel	B
Range	±100 V
Coupling	DC
Digital Channels	
D0 to D7	1.65 V
D8 to D15	Off
Capture Date	1/27/2022
Capture Time	9:43:53 PM

Digital Channels / Groups

Channel	Name	Value	Min	Max	Average	σ	Capture Count	Span
B	Minimum	45.67 V	45.67 V	45.67 V	45.67 V	0 V	1	Between rulers
B	Maximum	59.06 V	59.06 V	59.06 V	59.06 V	0 V	1	Between rulers

Stopped | Trigger None | Measurements | Rulers | Notes

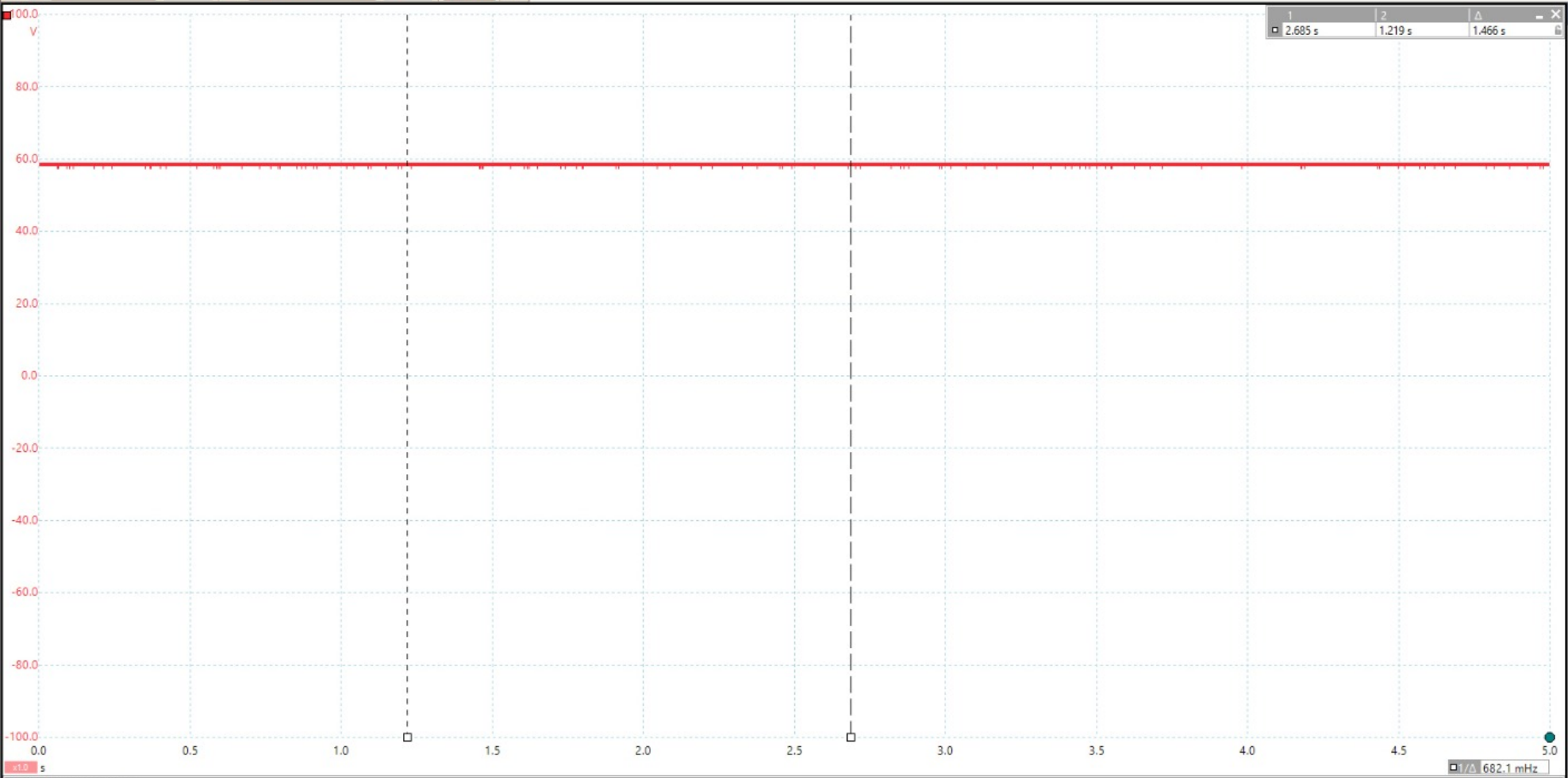

z
4
3
2
1
0
-1
-2
-3
-4
0
5
10
15
20
25
30
35
40
45

PicoScope 6

File Edit Views Measurements Tools Help

500 ms/div | 1 MS | 7 of 8 | x 1

A Off DC | B ±100 V DC



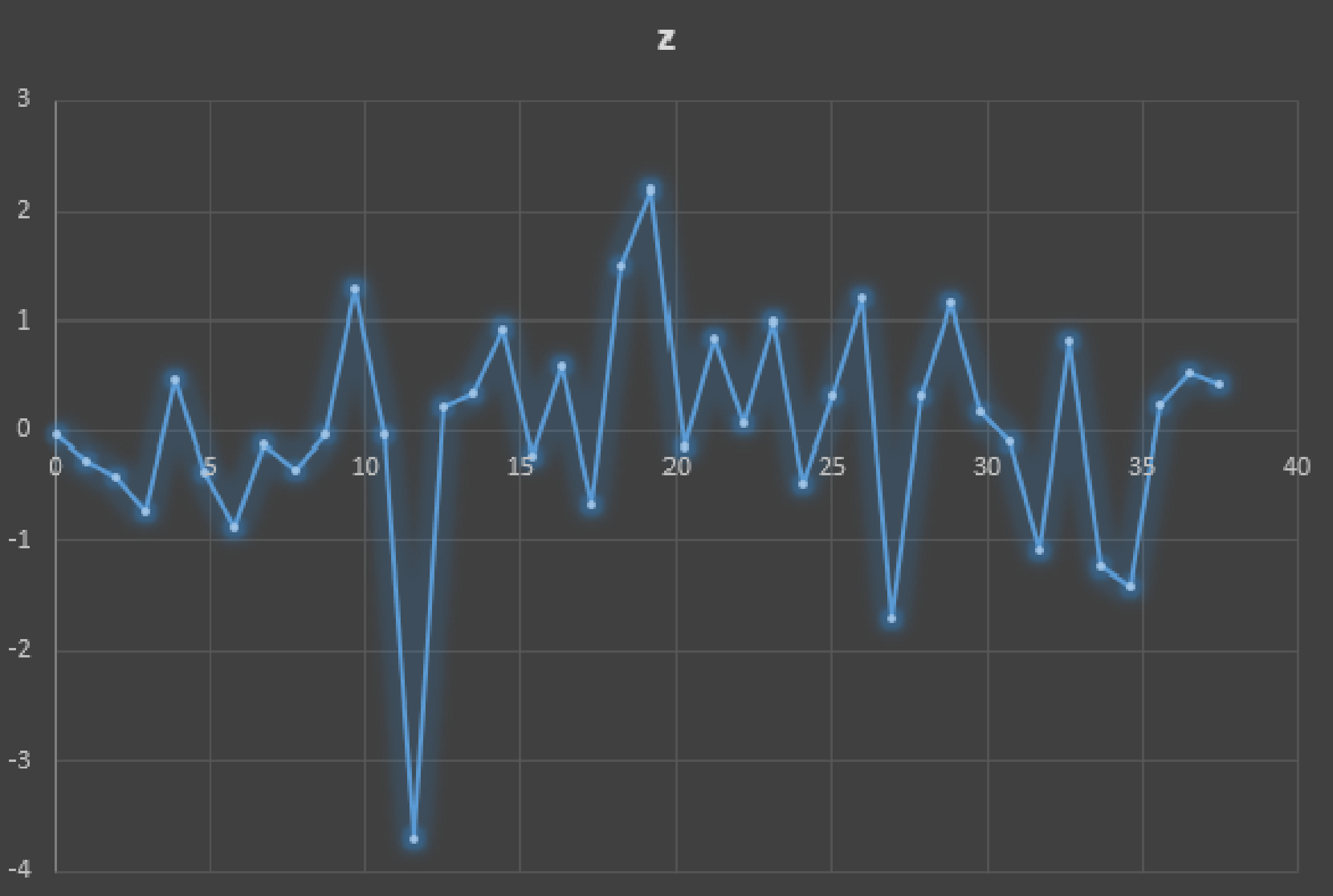
Properties

Sample interval	5 µs
Sample rate	200 kS/s
No. samples	1,000,000
Channel	B
Range	±100 V
Coupling	DC
Digital Channels	
D0 to D7	1.65 V
D8 to D15	Off
Capture Date	1/27/2022
Capture Time	9:34:36 PM

Digital Channels / Groups

Channel	Name	Value	Min	Max	Average	σ	Capture Count	Span
B	Minimum	57.48 V	57.48 V	57.48 V	57.48 V	0 V	0	Between rulers
B	Maximum	59.06 V	59.06 V	59.06 V	59.06 V	0 V	0	Between rulers

Stopped | Trigger None | B | 0 V | 50 % | 0 s | Measurements | Rulers | Notes

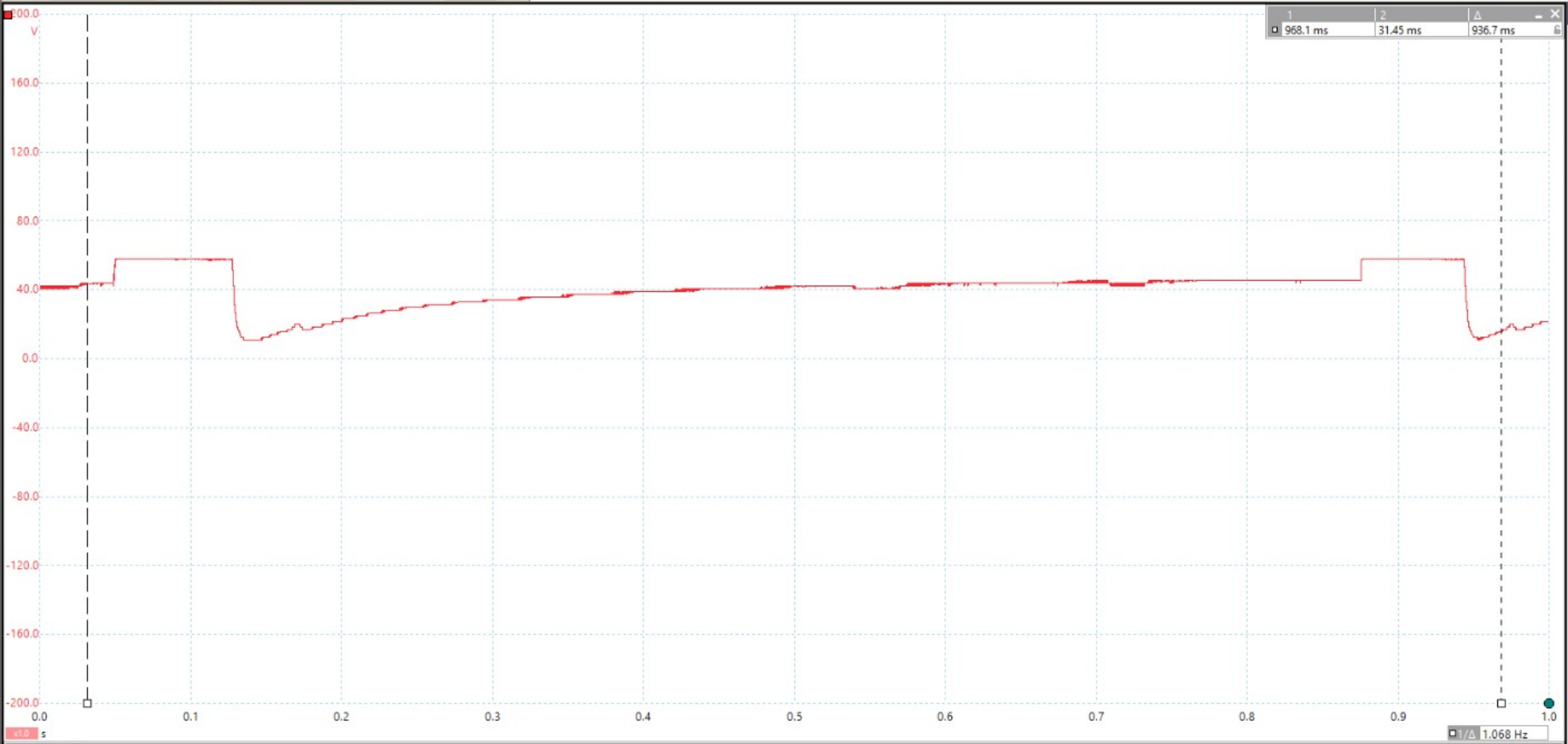

z
3
2
1
0
-1
-2
-3
-4
0
5
10
15
20
25
30
35
40

PicoScope 6

File Edit Views Measurements Tools Help

100 ms/div | 1 MS | 29 of 32 | x 1

A Off DC | B ±200 V DC



Properties

Sample interval	1 µs
Sample rate	1 MS/s
No. samples	1,000,000
Channel	B
Range	±200 V
Coupling	DC
Res. enhancement	10.0 bits
Digital Channels	
D0 to D7	1.65 V
D8 to D15	Off
Capture Date	1/27/2022
Capture Time	9:54:21 PM

Digital Channels / Groups

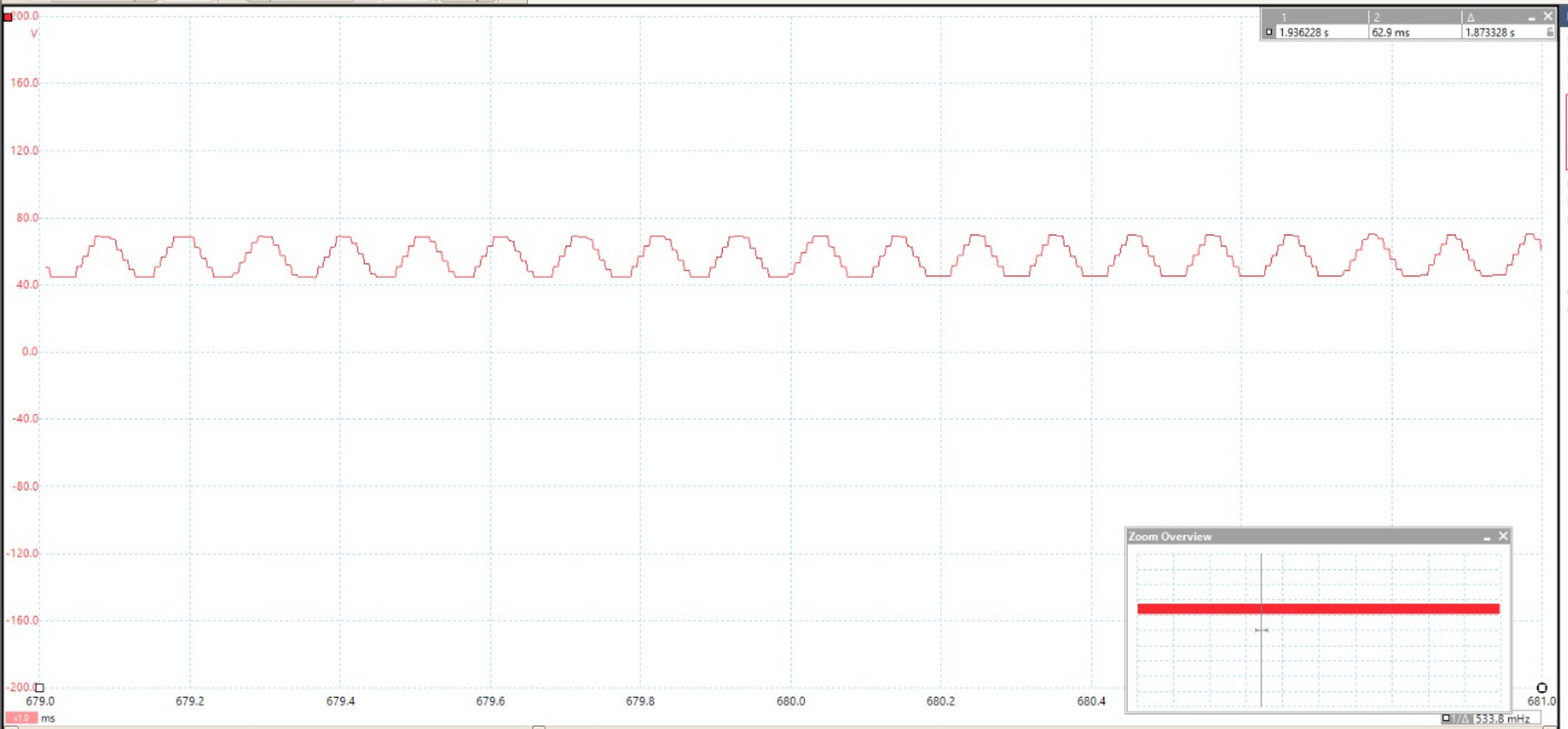
Channel	Name	Value	Min	Max	Average	σ	Capture Count	Span
B	Minimum	11.02 V	12.6 V	12.6 V	12.6 V	0 V	0	Between rulers
B	Maximum	58.27 V	58.27 V	58.27 V	58.27 V	0 V	0	Between rulers
B	Frequency	1.225 Hz	---	---	---	---		Between rulers

Stopped | Trigger None | Measurements | Rulers | Notes

PicoScope 6

File Edit Views Measurements Tools Help

200 ms/div | 1 MS | 31 of 32 | x 1.024 | Off | DC | B | ±200 V | DC



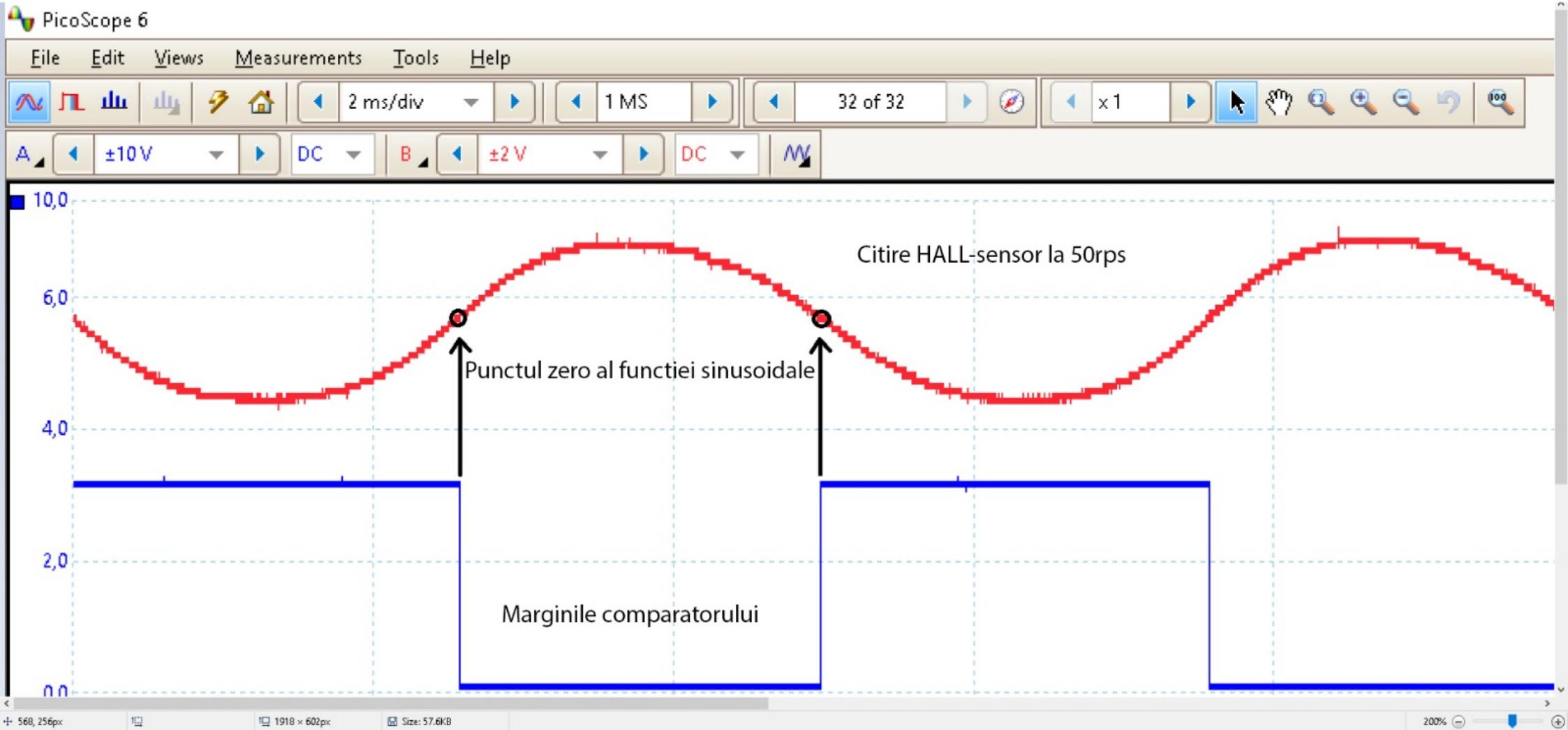
Properties

Sample interval	2 µs
Sample rate	500 kS/s
No. samples	1,000,000
Channel	B
Range	±200 V
Coupling	DC
Res. enhancement	10.0 bits
Digital Channels	
D0 to D7	1.65 V
D8 to D15	Off
Capture Date	1/27/2022
Capture Time	10:21:39 PM

Digital Channels / Groups

Channel	Name	Value	Min	Max	Average	σ	Capture Count	Span
B	Minimum	44.49 V	44.49 V	44.49 V	44.49 V	0 V	1	Between rulers
B	Maximum	70.87 V	70.87 V	70.87 V	70.87 V	0 V	1	Between rulers
B	Frequency	9.742 kHz	9.742 kHz	9.742 kHz	9.742 kHz	0 Hz	1	Between rulers

Stopped | Trigger None | Measurements | Rulers | Notes


PicoScope 6
File
Edit
Views
Measurements
Tools
Help
2 ms/div
1 MS
32 of 32
x 1
A
±10 V
DC
B
±2 V
DC
10,0
6,0
4,0
2,0
0,0
Citire HALL-sensor la 50rps
Punctul zero al functiei sinusoidale
Marginile comparatorului