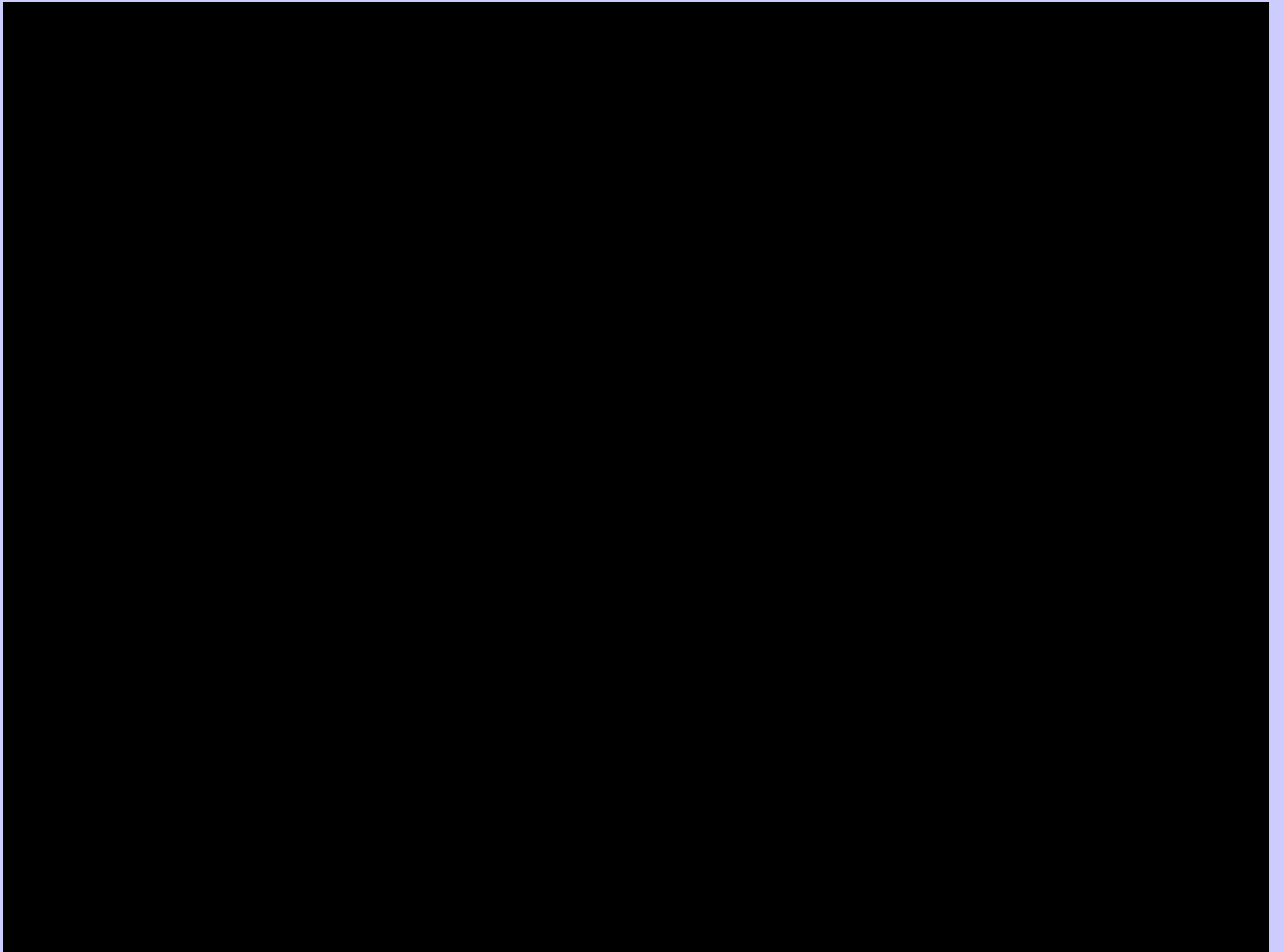
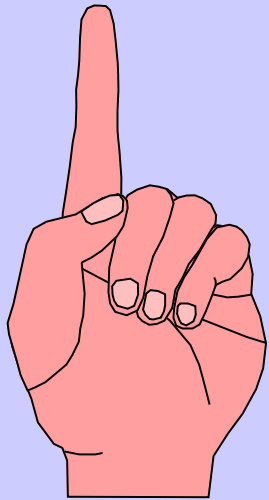


A photograph of a gas chromatograph system. On the left is a tall, grey gas cylinder with a white label. A network of white and black tubes connects it to a central metal manifold with two pressure gauges. Below the manifold is a detector unit with a small digital display. To the right, a black laptop is open, displaying a software interface. The entire setup is on a light-colored surface.

Gas chromatograph handling



Beginning

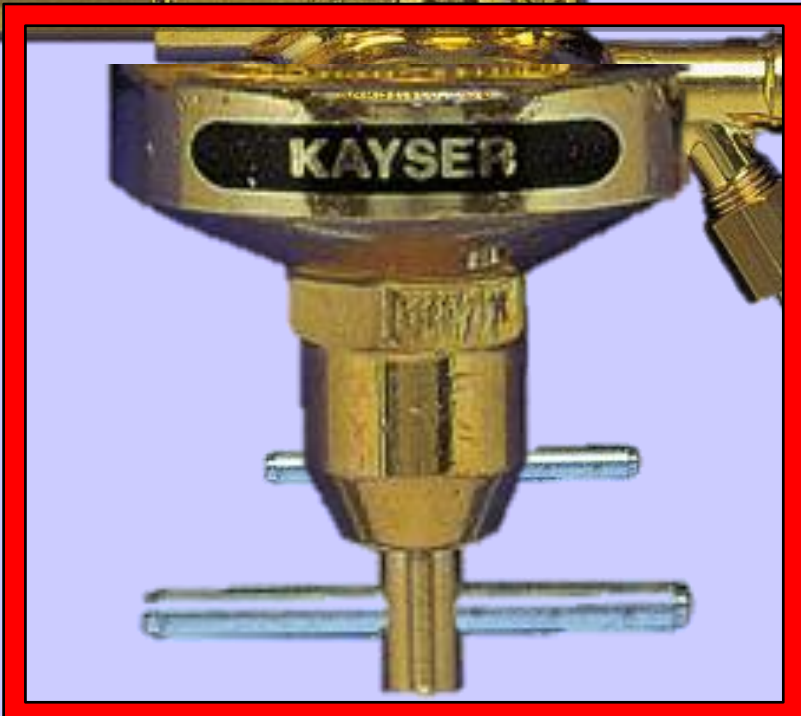


Attention!

- The vents have to be closed
- Check if it is gas-proof



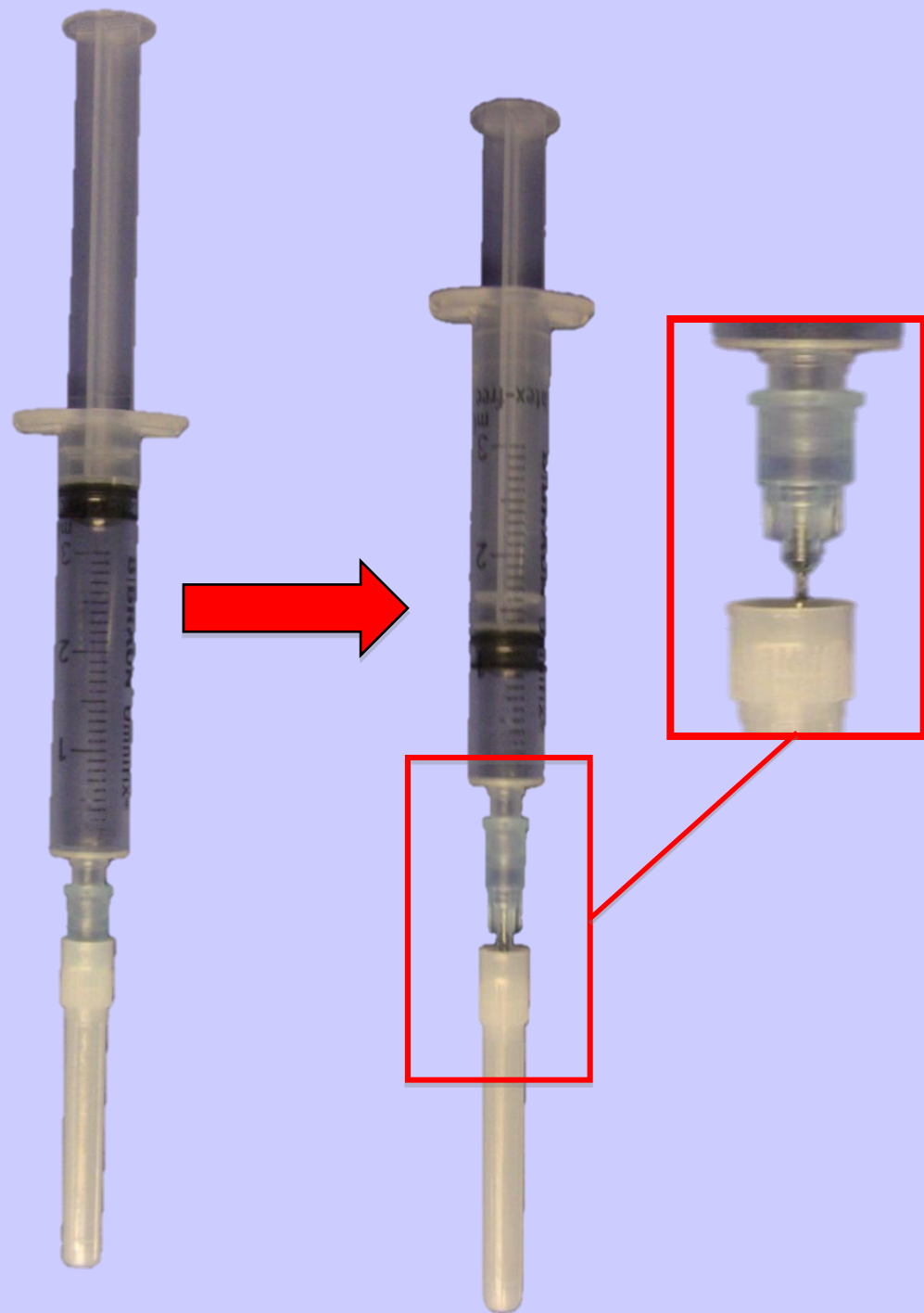
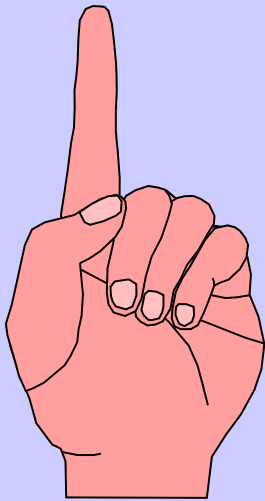
Reducer



The syringe



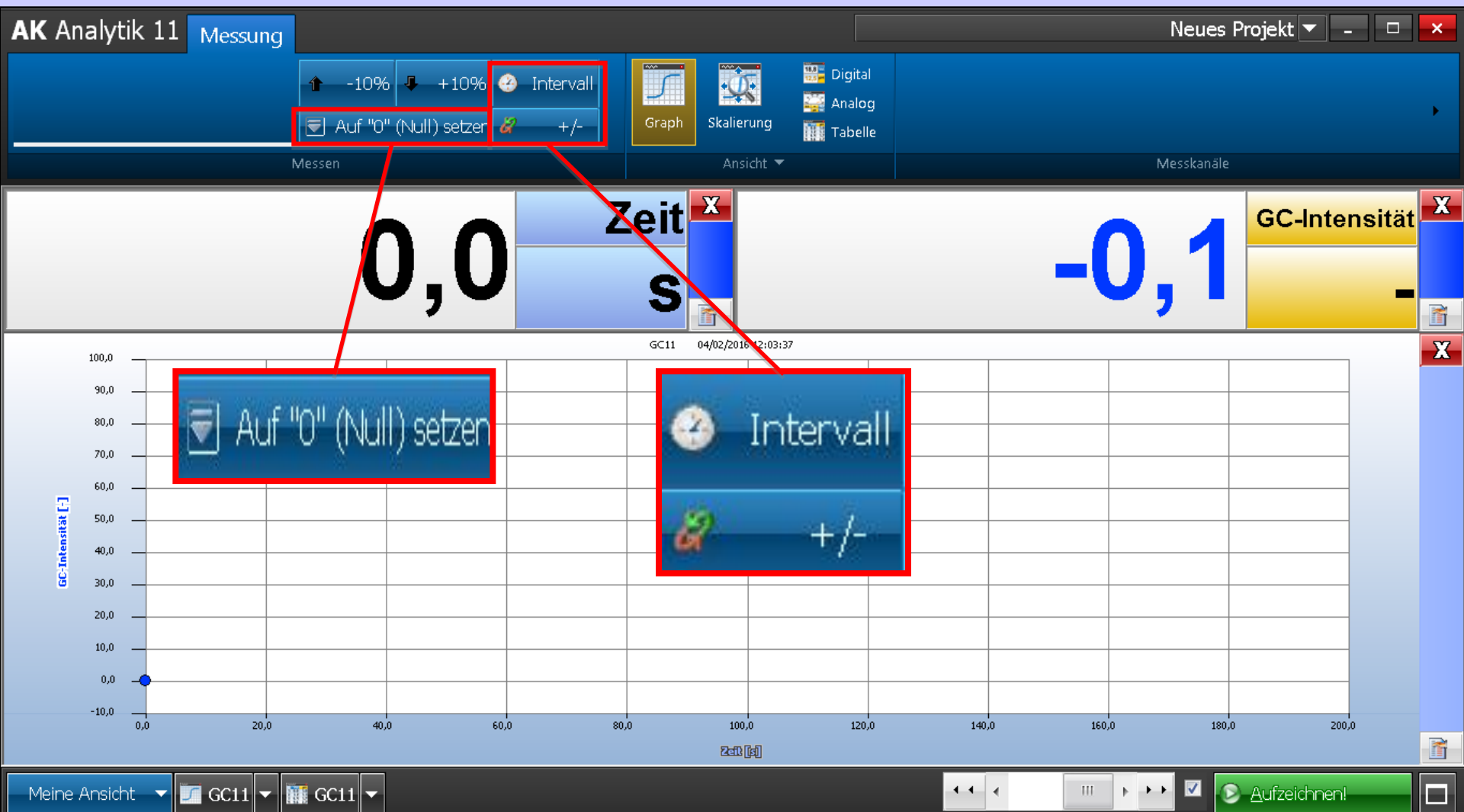
Attention!
Slightly open the
Cannula of
the syringe

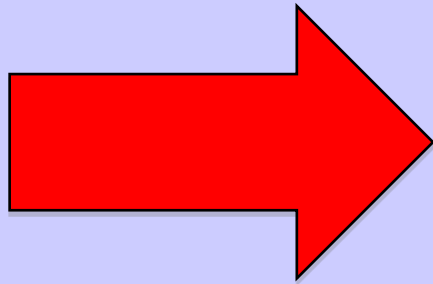




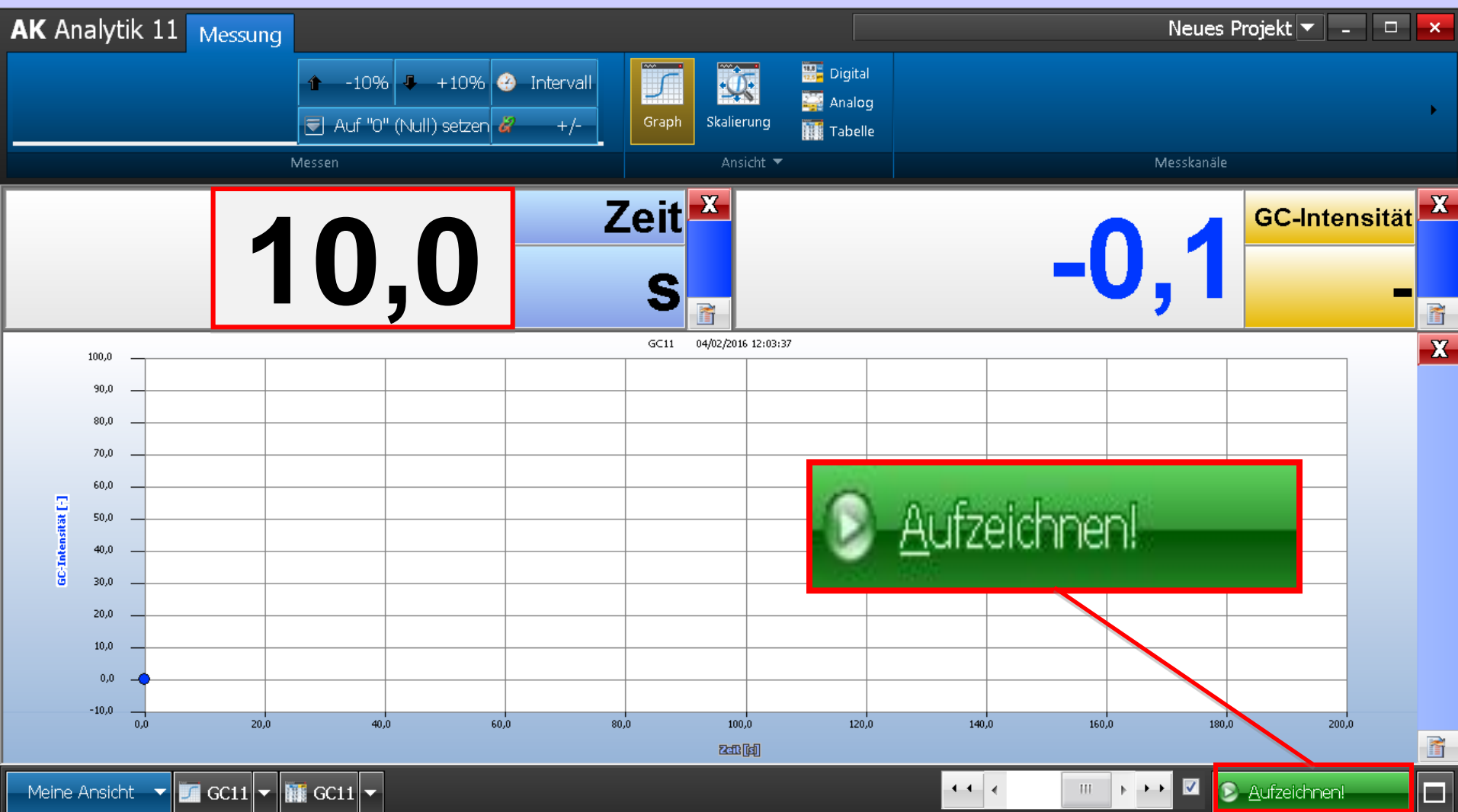
Start the computer

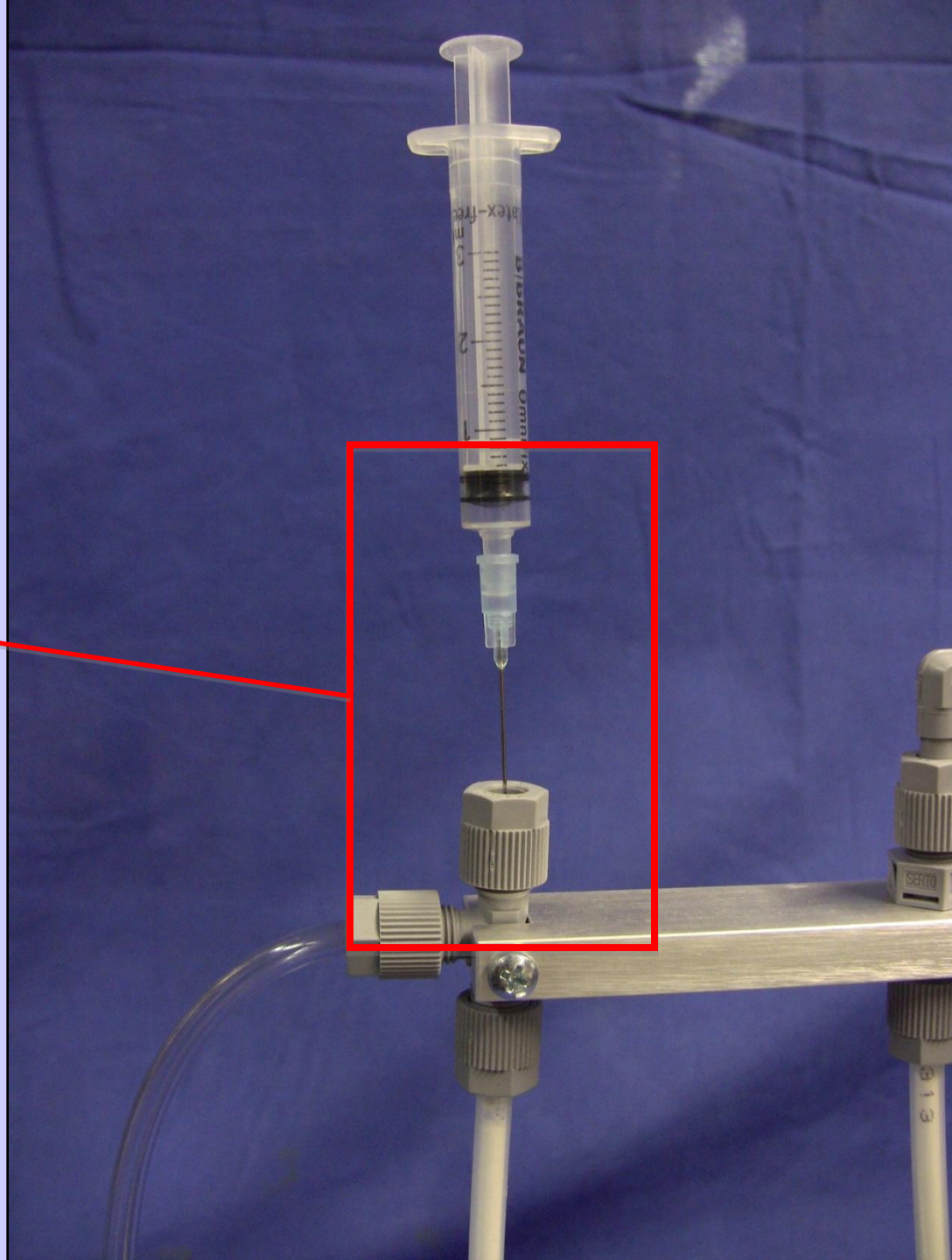
First steps

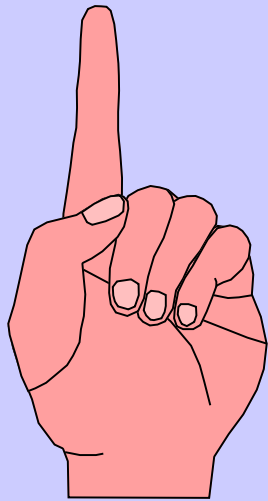




Start





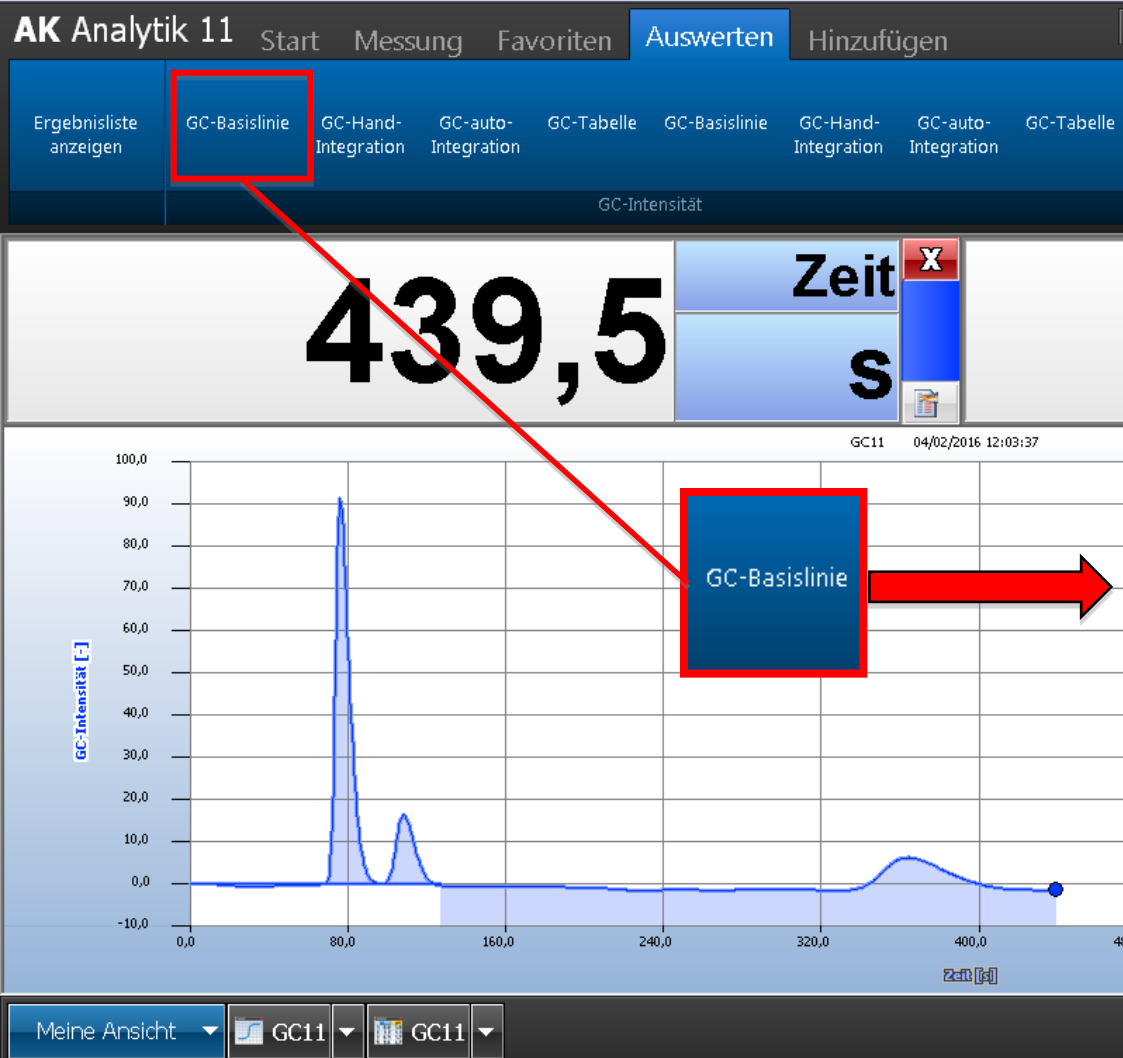


Attention!
Hold the syringe pressed
when pulling it out

Evaluation

The image shows a laboratory setup for data collection and analysis. A laptop is connected to a data acquisition system (DAQ) and a camera. The DAQ is connected to a sensor or actuator. The laptop screen displays a software interface with numerical data and a graph. The word "Evaluation" is overlaid on the image in a large, bold, black font, enclosed in a red 3D rectangular frame.

Evaluation



Neue Datenreihe

Was wollen Sie mit der neuen Datenreihe passieren?

Wie soll die Datenreihe gespeichert werden?

Neue Datenreihe Alte überschreiben

In aktuellen Graphen einzeichnen

So sieht die erzeugte Datenreihe aus:

Name: GC11

Akzeptieren

Evaluation



Evaluation



Evaluation

Gaschromatogramm
In der oberen Liste sehen Sie die aktuellen Peaks, unten stehen Ihnen Vergleichswerte zur Verfügung.

Aktuelles Gaschromatogramm

Nr.	Name	Retentionszeit	Fläche	R-Korrfaktor	Gehalt in %
1	Peak 1	108,0	205,20	1,00	36,96
2	Peak 2	364,5	349,97	1,00	63,04

Peak beschriften Peak ändern Peak löschen

Säule: T-Gas: Temp.: Ström.:

Gewählten Peak übernehmen

Referenz Peaks

Nr.	Name	Retentionszeit	Fläche	R-Korrfaktor	Gehalt in %
1	Methan	60,0	2,00	0,55	0,24
2	Ethan	65,0	5,00	0,85	0,93
3	Propan	80,0	200,00	0,95	41,73
4	Methylpropan	120,0	50,00	1,00	10,98
5	n-Butan	150,0	200,00	1,05	46,12

Säule: T-Gas: Temp.: (°C) Ström.:

CH₄

36,96

63,04

CO₂