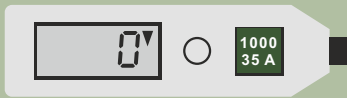


The Military CYPRES Quick Guide For Operators

The military CYPRES is available in the following standard models:
All models can be adapted with a one or two-pin cutter.

1000/35 A



1000/35 indicates that this unit is set to activate at approximately 1000 ft above the DZ if the vertical speed is faster than approximately 35 meters / second (~ 78 mph)

1500/35 A



1500/35 indicates that this unit is set to activate at approximately 1500 ft above the DZ if the vertical speed is faster than approximately 35 meters / second (~ 78 mph)

1900/35 A



1900/35 indicates that this unit is set to activate at approximately 1900 ft above the DZ if the vertical speed is faster than approximately 35 meters / second (~ 78 mph)

2500/35 A



2500/35 indicates that this unit is set to activate at approximately 2500 ft above the DZ if the vertical speed is faster than approximately 35 meters / second (~ 78 mph)

The **A** indicates that all CYPRES work with absolute pressure

For further information's or questions please contact
military@cypres.aero



This Quick Guide does not replace the CYPRES User's Guide nor releases the user from the obligation to comply with the contents of the CYPRES User's Guide.

The Military CYPRES Quick Guide For Operators

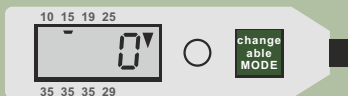
The military CYPRES is available in the following standard models:
All models can be adapted with a one or two-pin cutter.

2500/29 A



2500/29 indicates that this unit is set to activate at approximately 2500 ft above the DZ if the vertical speed is faster than approximately 29 meters / second (~ 65 mph)

Changeable MODE



Activation altitude according to each mode.
There are 2 versions with different modes:
1000/35 - 1500/35 - 1900/35 - 2500/35
or 1000/35 - 1500/35 - 1900/35 - 2500/29

active BDZ (Below Drop Zone) Activation altitude down to MSL



Available for all military models
but on request only
This feature increases the chance of
unwanted activation's inside the airplane

The **A** indicates that all CYPRES work with absolute pressure

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military@cypres.aero



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2 Application Modes

Training Mode

The features of the civilian CYPRES properties have been adapted to the various military models. The activation altitude and speed criteria are based on the military model (see reference data in the user manual).

While on the ground, it takes care of all meteorological pressure changes during 14 hours after it is switched on.

The training mode is useful for training jumps when take-off and landing (target DZ) are at the **same** location / altitude.

The flight counter is only available for flights in training mode.



Take OFF & Landing

Operation Mode

The unit can be set to any DZ on this globe, be it the Dead Sea or the Himalayas or even to a higher virtual DZ, e.g. for a HAHO jump. Programming can be done before take-off, during the flight and even in an active pressurized cabin. Just enter the absolute air pressure value (hPa) of your target DZ in the display of the control unit. No flight counter is available in operation mode.



Take OFF



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Quick Guide

- General Guidance -

Explanation of the symbols / icons in this Quick Guide



click the button (a short press and release)



hold the button (keep the button pressed)



release the button



LED flash



LED ON



LED OFF



next indication / action



indication sequence ends with



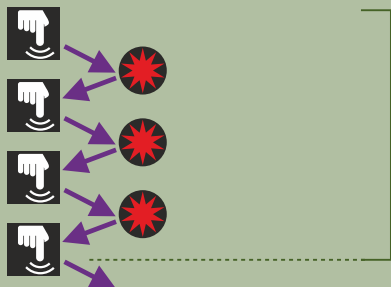
continues from „10“ to „0“

e.g. calculation examples **in blue**

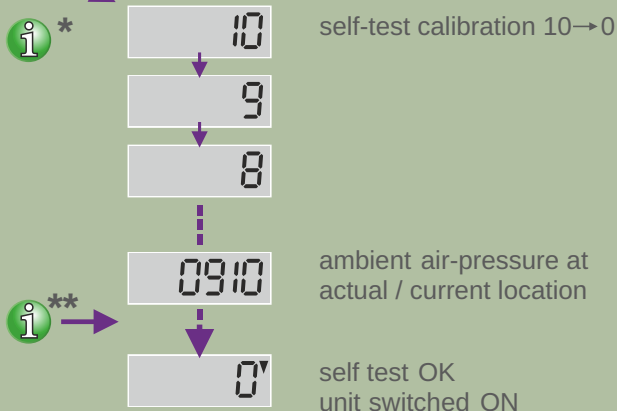


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Switch ON Training Mode



SWITCH OFF =
same procedure



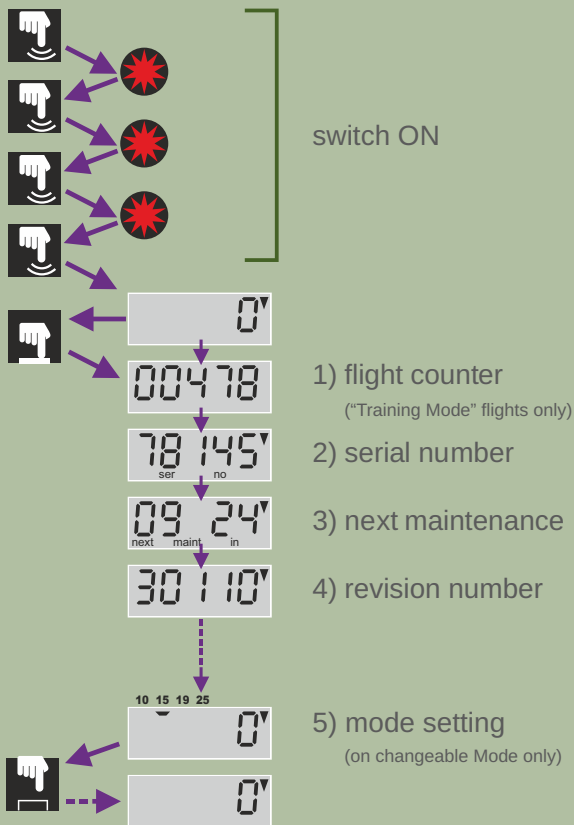
i* **IMPORTANT:** watch the complete „count down“ until you see 0'

i** Additional information possible between “1” and “0”
(displayed on page 15 + 16)



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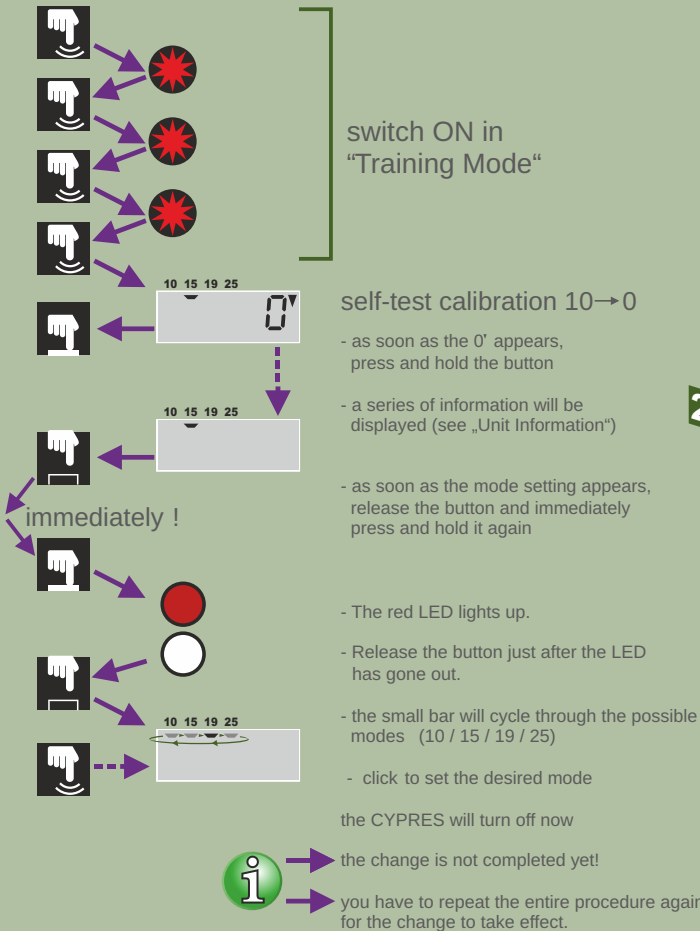
Unit Information



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Changing the Mode

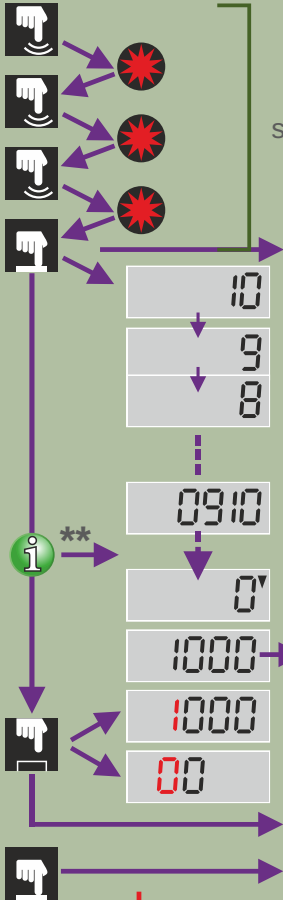
1000 / 1500 / 1900 / 2500



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Switch ON Operation Mode

“Entering hPa of target DZ” (Example 893 hPa)



switch ON



VIDEO TUTORIAL
Entering hPa
of target DZ

on the 4th click **hold** the button

self-test calibration 10→0

ambient air-pressure at
actual / current location

appears immediately

the first left digit **1** alternates
with **0**

at the chosen number *****
release the button

hold the button again

continued on next page



**

Additional information possible between “1” and “0”
(displayed on the last 2 pages)





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Guide nor releases the user from the obligation to
comply with the contents of the CYPRES User's Guide.




Switch ON Operation Mode

“Entering hPa of target DZ“ (Example 893 hPa)


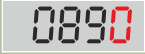

↓ continued from previous page ↓

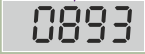

 →  the second digit counts 0-9
 at the chosen number *
release the button


 → **hold** the button again


 →  the third digit counts 0 - 9
 at the chosen number *
release the button


 → **hold** the button again

 →  the fourth digit counts 0 - 9
 at the chosen number *
release the button

 ↓
 unit switched ON
set hPa will stay visible

 → x **4 seconds ***** confirmation of setting

 → ******* during this **4 seconds** it is possible
to restart setting procedure by
holding the button

 → * if you missed the correct number, just
keep holding the button
until the number appears again.



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Operation Mode Using The Military Calculator



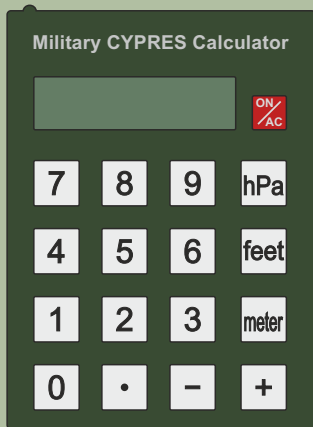
If absolute air-pressure (hPa) of Target DZ is not available



VIDEO TUTORIAL
military calculator

METHOD 1 --> if:

- Target Dz and Take Off area are local but at different elevations
- Take Off elevation is available
- Target DZ elevation is available



← switch ON

← enter **ambient** ground pressure (QFE) (switch ON hPa value)

← press hPa e.g.

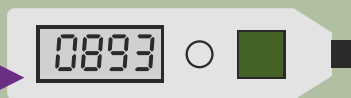
← press + (if target is higher)
press - (if target is lower)

← enter **difference** in feet (meters) between Take OFF location and Target DZ. e.g.

← press „feet“ (meters)

display shows hPa of Target DZ

enter value into the Military CYPRES →



Military CYPRES
Calculator App



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Operation Mode Using The Military Calculator



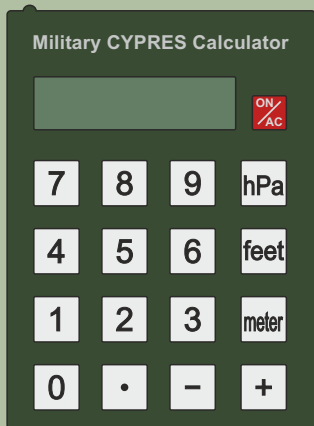
If absolute air-pressure (hPa) of Target DZ is not available



VIDEO TUTORIAL
military calculator

METHOD 2 --> if:

- Target DZ and Take Off area are at **different** locations
- elevation of Target DZ is available



← switch ON

enter number (feet / meter) of altitude of Target DZ above MSL

e.g.

(if below sea-level enter number and add "-")

← press **feet** (meter)

← press hPa

display shows hPa of Target DZ

(only an estimation as this pressure value does not accommodate local weather variations)

enter value into the Military CYPRES



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Operation Mode Using The Military Calculator



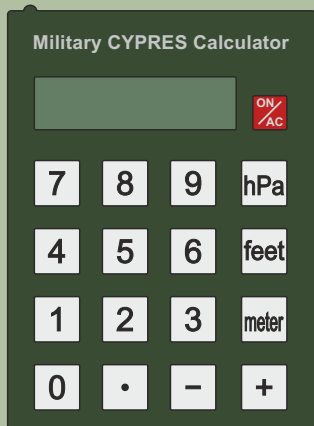
If absolute air-pressure (hPa) of Target DZ is not available



VIDEO TUTORIAL
military calculator

METHOD 3 --> if:

- Target DZ and Take Off area are at **different** locations
- Target DZ pressure at Mean-Sea-Level (QNH / Altimeter setting) is available



← switch ON

← enter number hPa of Target DZ at MSL (QNH / altimeter setting)

e.g.

1022

← press hPa

← press "+" or "--"

← enter elevation of Target DZ above/below MSL

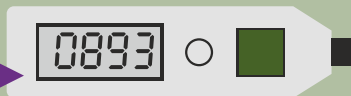
e.g.

3555

← press **feet** / meter

display shows hPa of Target DZ

enter value into the Military CYPRES



Military CYPRES
Calculator App



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Important Notes For Airplane Pilots !

If you use the Military CYPRES in **Training Mode** (also see next page)

- Every Military CYPRES has to **exceed** an altitude of more than 1500 ft above activation altitude to become fully armed.
- **Never** descend to an altitude **below** the Take OFF elevation
- If the aircraft can be pressurized, make sure that the cabin remains open when the turbines are started up. Leave a window, a door open slightly until after lift-off. Make sure that the cabin pressure cannot build up above the air pressure on the ground.
(! the altimeter should never go below „0“)

Always: If you use the Military CYPRES in **Operation Mode** and **Training Mode**

- Stay below the vertical activation speed inside the activation window; 6900 ft/min (35 m/s) or 5700 ft/min (29 m/s) if you are descending with the aircraft. Can also be simulated by changing the cabin air pressure.
- CYPRES with dom before November 2021 will lock itself with the PSE error if exposed to elevation ranges above 38.000 ft / 11.700 m (equivalent to 200 hPa).
All new CYPRES after 11/2021 and all service units will have / get a new and extended elevation range up to 65.000 ft / 20.000 m

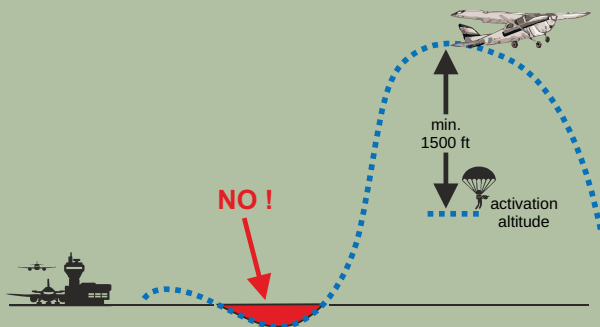


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Important Notes For Users !

- To make sure that a Military CYPRES device is armed when it is used in **Training Mode** you must fly at least 1500ft above the preset firing altitude. The Military CYPRES device is always armed when in **Operational Mode**. For this reason please switch off after landing.
- A two canopy scenario can occur, if the main deploys too low and the opening reaches into the activation window.
- In case of **Training mode** only: After take-off please ascend at more than 180 feet per minute (1 meter / second) for at least 30 seconds.

The drawing below shows what must be adhered to when using the Military CYPRES in **Training Mode!**



If the Military CYPRES is used in **Operation Mode**, the above mentioned limitations do not apply.

- The CYPRES 2 is waterproof (in fresh and salt water) for - 15 ft for up to 15 minutes, - 8 ft for up to 24 hours.
- After contact with water, CYPRES must be switched OFF after exiting the water. Replace the filter before next use.
- After an activation, the cutter can be replaced by any rigger / packer. After the change, perform a self test and the unit can be used again immediately.
- After 14 hours have passed, every CYPRES unit will switch off automatically. No matter of the actual location.



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Information On Control Unit Display

These notes will eventually appear during the self test procedure between 1 and 0

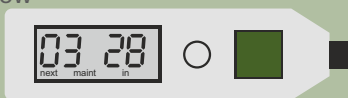
These messages are not ERROR codes. Only helpful information's.
The service window frame is 13 months.

Example: date of manufacture **03/2023**, the first maintenance is possible 09/2027 until 09/2028

The second maintenance is possible 09/2032 until 09/2033

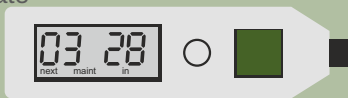
starting 6 months prior to maintenance date (09/2027)
beginning of service time window

displayed for 2 seconds



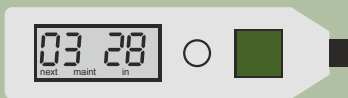
starting at maintenance due date

displayed for 3 seconds



maintenance date over due 3 months

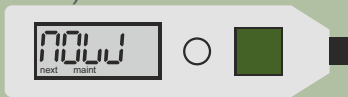
displayed for 5 seconds



maintenance over due 6 months (now*)
end of service time window (09/2028)

displayed for 5 seconds

* can only be deactivated during maintenance



starting 15,5 years after date of manufacture (age)
end of service life time.
Can start appearing within the last month.

displayed for 5 seconds



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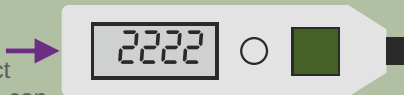
Error Codes On Control Unit Display

If there is an error detected during the self test then it shows this code for about 2 seconds before it switches itself OFF.

One or both cutters are not electronically connected to the unit.

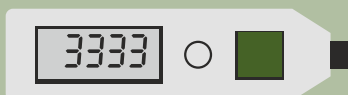
Reasons: activated cutter, damaged cable, plug not completely connected.

Action: replace or reconnect cutter. Switch ON procedure can be repeated. If self test is OK CYPRES can be used again



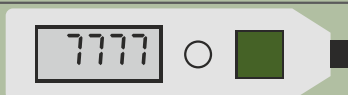
Excessive pressure variations during self test.
Possible reason: moving vehicle or moving aircraft.

Action: Switch ON procedure can be repeated. If self test is OK CYPRES can be used again



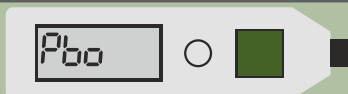
Low battery condition.

Action: contact Airtec / SSK before further use



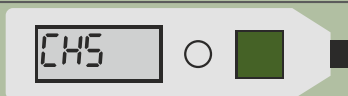
Power Down

Action: contact Airtec / SSK before further use



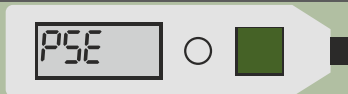
Checksum Error

Action: contact Airtec / SSK before further use



Pressure Sensor Error

Action: contact Airtec / SSK before further use



If unit does not switch OFF after 14 h, or another code is shown on display, or if there is no red light, do not use the CYPRES and contact Airtec HQ military@cypres.aero or SSK info@sskinc.com before further use



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