

DistoX

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2017

DistoX1 and DistoX2



B. Heeb
Paperless caving - An electronic
cave surveying system
Aug. 2008

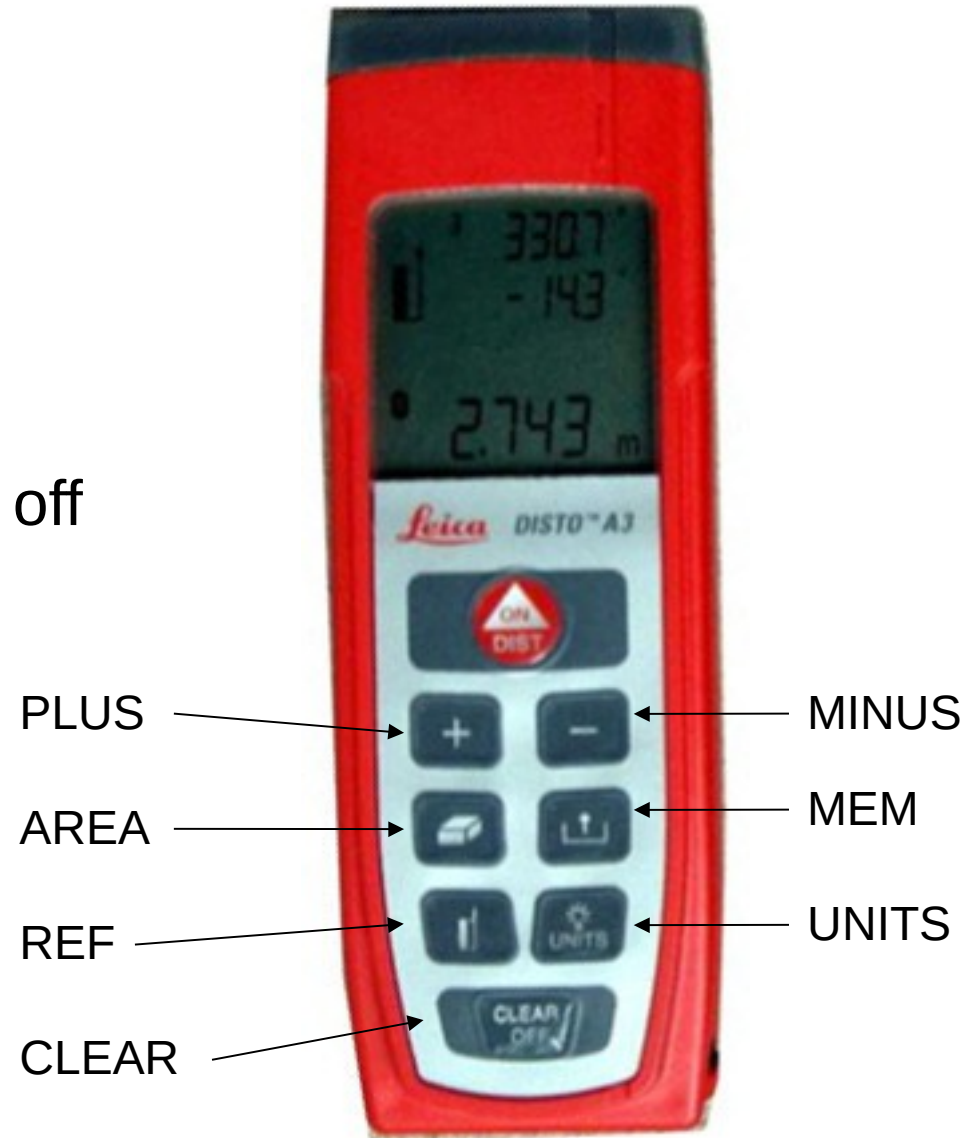


B. Heep
The next generation of the DistoX
cave surveying instrument
Oct. 2014

<http://paperless.bheeb.ch>

DistoX1

- DIST
 - if laser off, turns laser on
 - if laser on, measures
- CLEAR turns laser off
- 2 secs CLEAR switches DistoX off



DistoX1 more functions

- REFS: toggle front and back reference
- MEM: show memory
- 10 MEM + 2 secs UNITS: toggle **calibration** mode
- 2 AREA + 2 REFS + CLEAR: toggle **silent** mode
- 5 secs CLEAR and PLUS: toggle beep on/off (NB this changes internal timings)
- UNITS: toggle display backlight
 - 2 secs in back ref: distance units
 - 2 secs in front refs: cycle angle units and BT on/off
- AREA: toggle continuous mode
 - in front ref: azimuth and clino
 - in back ref: roll and dip

DistoX2

- DIST
 - if laser off, turns laser on
 - if laser on, measures
- 2 secs DIST with laser on: measure
- CLEAR turns laser off
- 2 secs CLEAR switches DistoX off



DistoX2 advanced functions

- MEM display memory entries
- 2 secs MEM: distance units
- 2 secs MEM + SMART: angle units
- 2 secs MEM + FUNC: toggle **silent** mode
- 2 secs MEM + MINUS: backsight mode
- REF toggle reference for the next shot
- 2 secs REF: front reference
- 2 secs REF + FUNC: back reference
- 2 secs REF + MINUS: beep on/off
- 2 secs REF + PLUS: display backlight

DistoX2 advanced functions [2]

- SMART display extended measurement information
- 2 secs CLEAR + SMART: **calibration mode**
- 2 secs CLEAR + MEM: **clear memory**
- 2 secs CLEAR + FUNC: bluetooth on/off
- 2 secs CLEAR + MINUS: locked power off
- 2 secs SMART + MINUS: triple shot check

- FUNC display device information
- 5 secs CLEAR + FUNC + MINUS: factory reset
- 5 secs FUNC + SMART: change battery type

DistoX error codes

- 252 temperature too high
- 253 temperature too low

- 255 signal too weak
- 256 signal too strong
- 257 too much background light

- 260 interrupted laser beam