



LiCAS project meeting

level sensors

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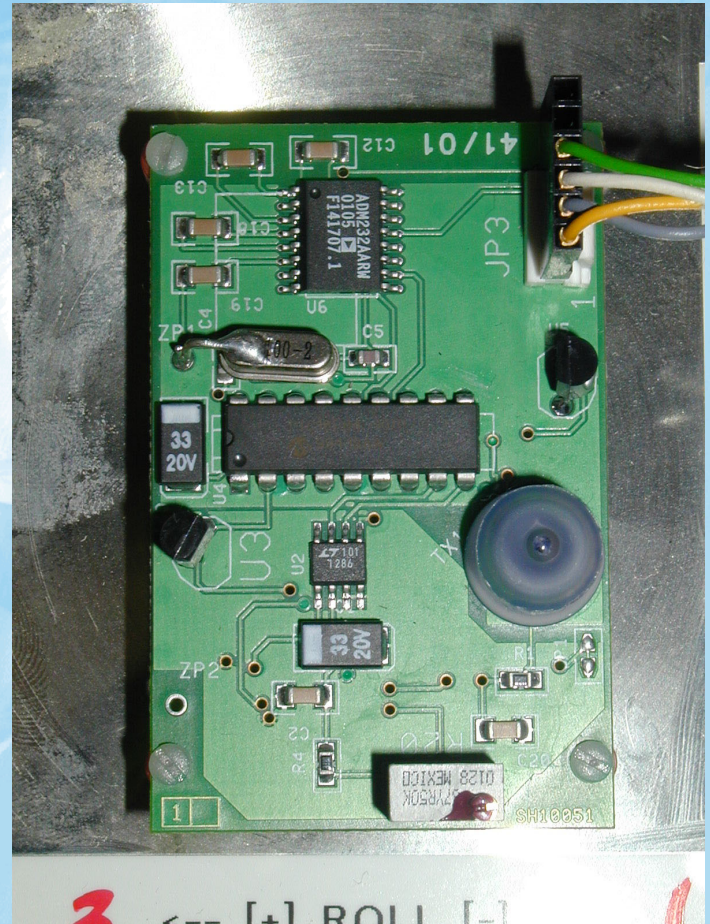


LiCAS project meeting – level sensors

Micro50-D-20

dual axis inclinometer with 20° range

resolution 0.17 mrad





LiCAS project meeting – level sensors

Nivel 20

dual axis inclinometer with 1.5 mrad range

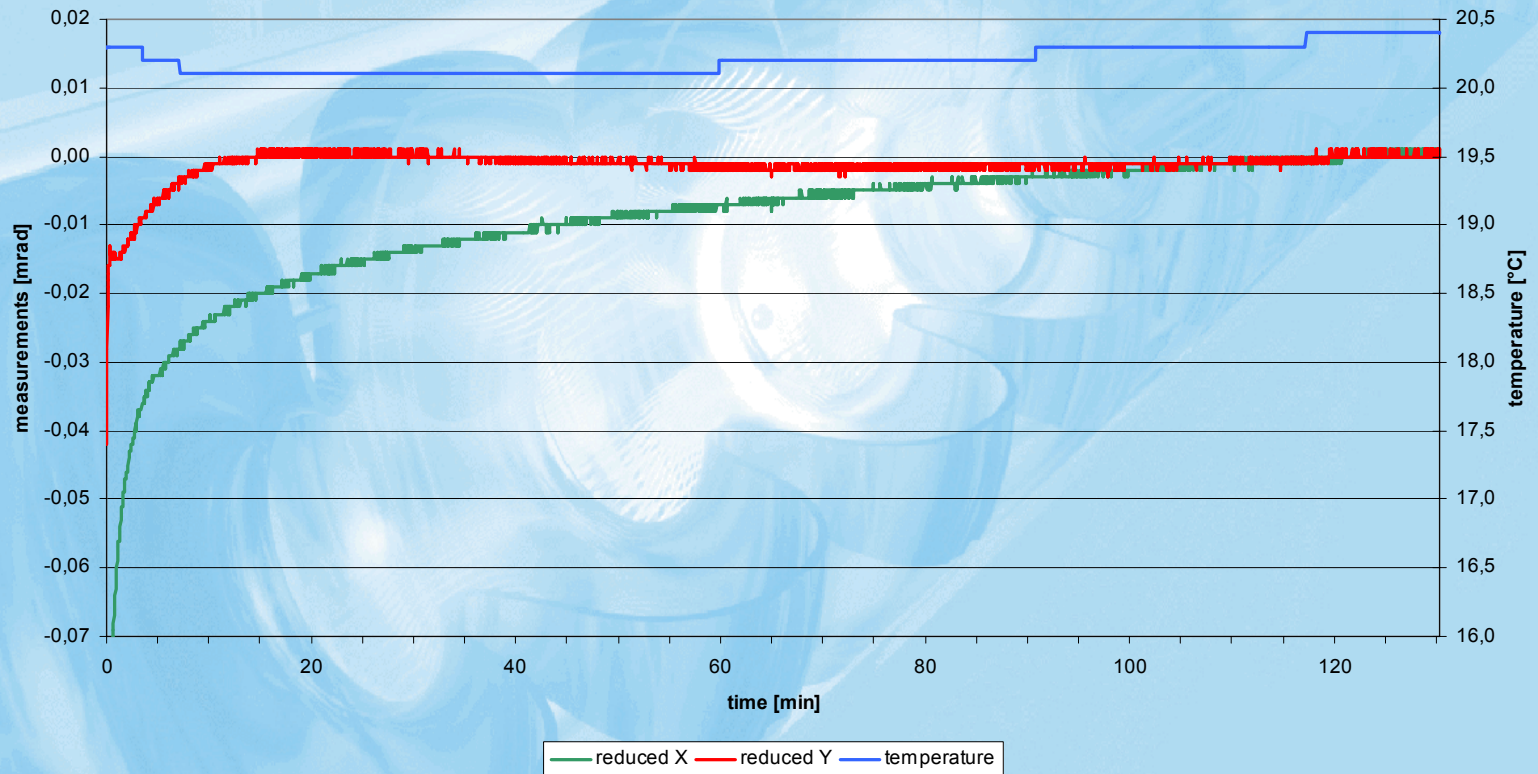
resolution 0.001 mrad





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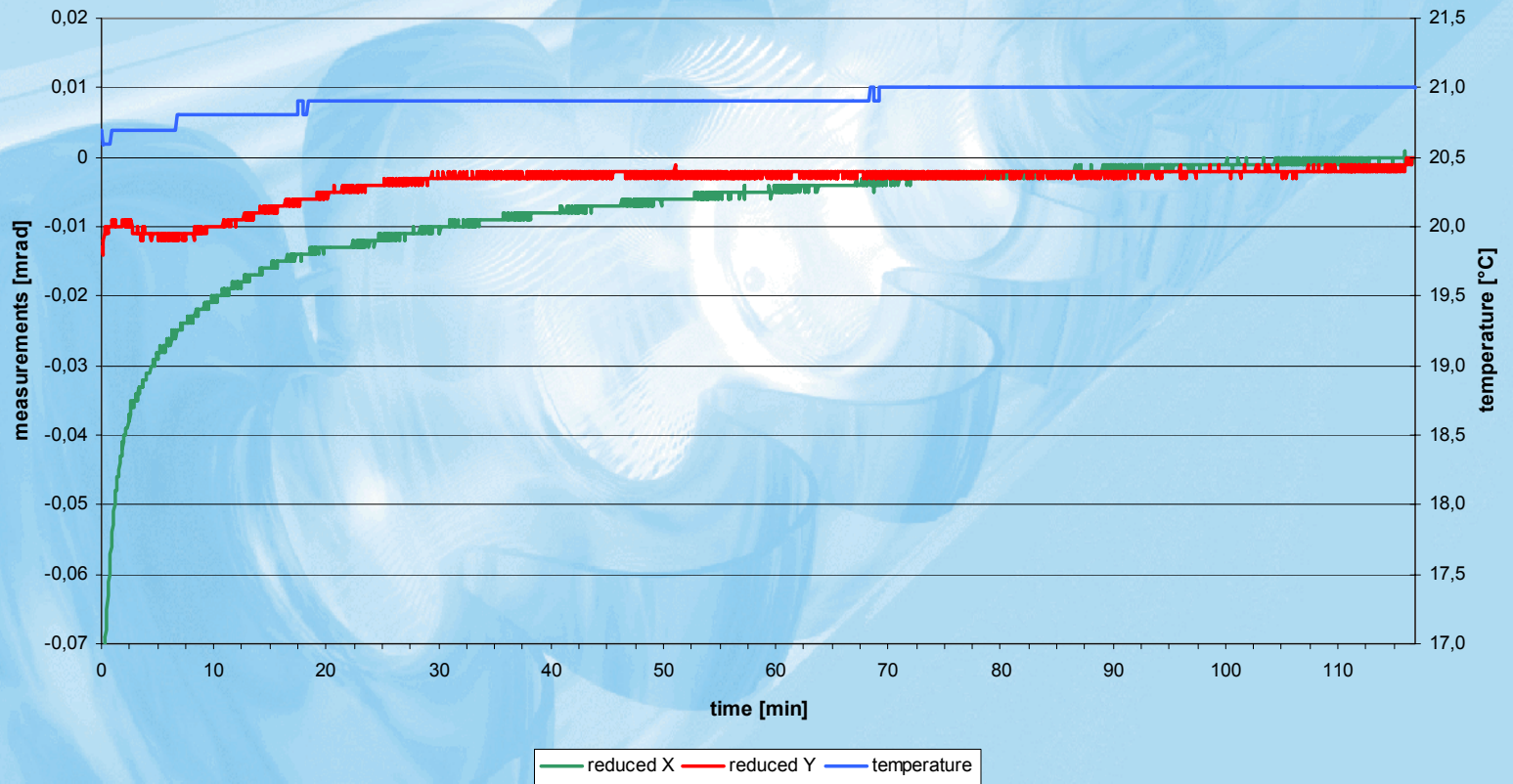
rotation Nivel20 - 17.06.2002





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shaking Nivel20 - 16.06.2002





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Schaevitz

single axis inclinometer with 1° range

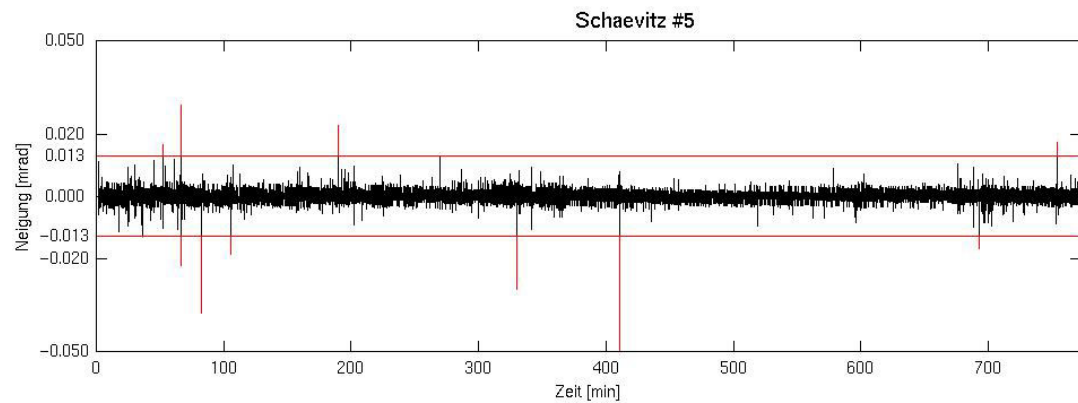
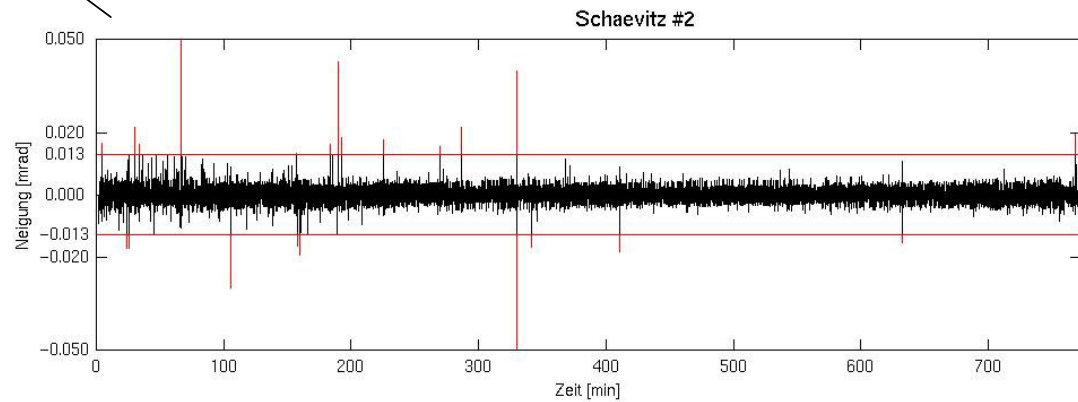
resolution 0.006 mrad





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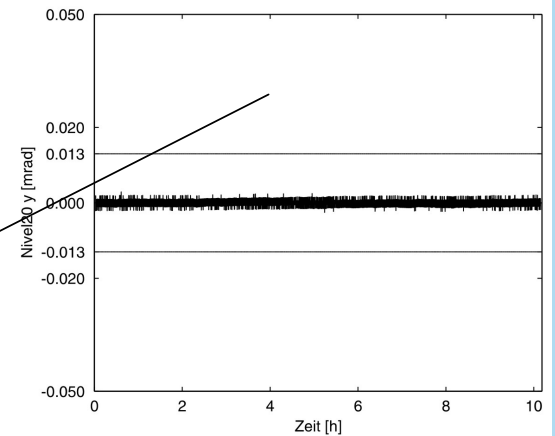
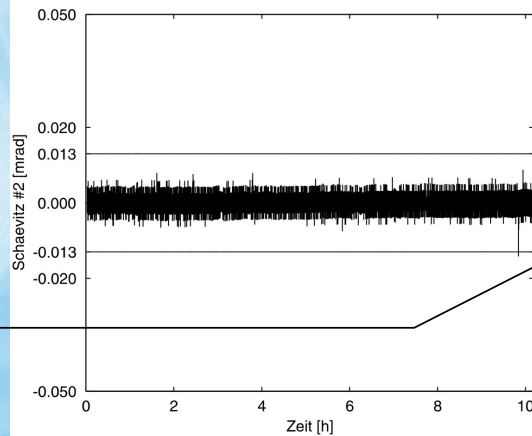
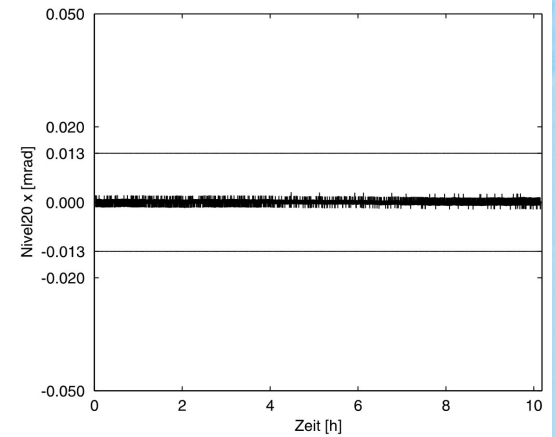
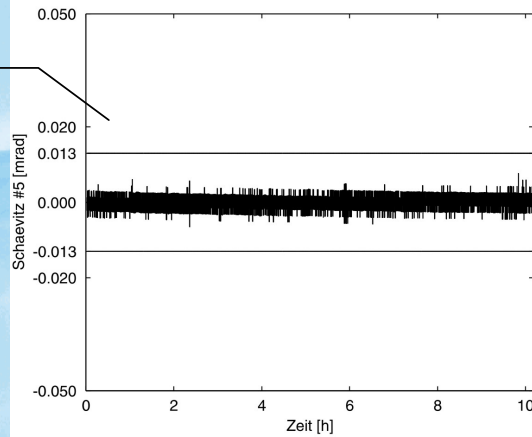
old AD converter
(Schaevitz)





LiCAS project meeting – level sensors

**new AD converter
(Schaevitz)**



Nivel20



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Lippmann

dual axis inclinometer

resolution 0.0005 mrad





LiCAS project meeting – level sensors

summary

Nivel20

- is too slow to monitor rotations fast (settling times > 40 min)
- has a very limited range (< 1.5 mrad)
- + is a dual-axis inclinometer

Schaevitz

- + has a range of ~ 17 mrad
- + has fast settling times (~ 5 sec)
- is only single-axis inclinometer

Micro50-D-20

- + cheap inclinometer
- + has a range of 20°
- + is a dual axis inclinometer

Lippmann

- only prototype character
- + has a resolution of 0.0005 mrad
- + is a dual axis inclinometer