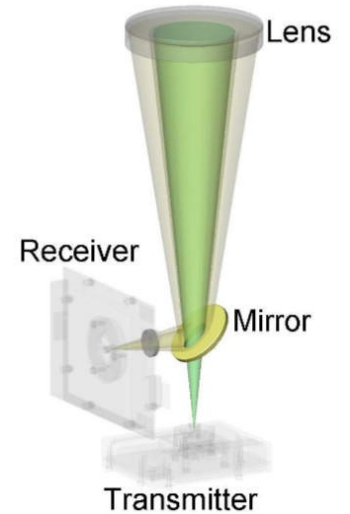
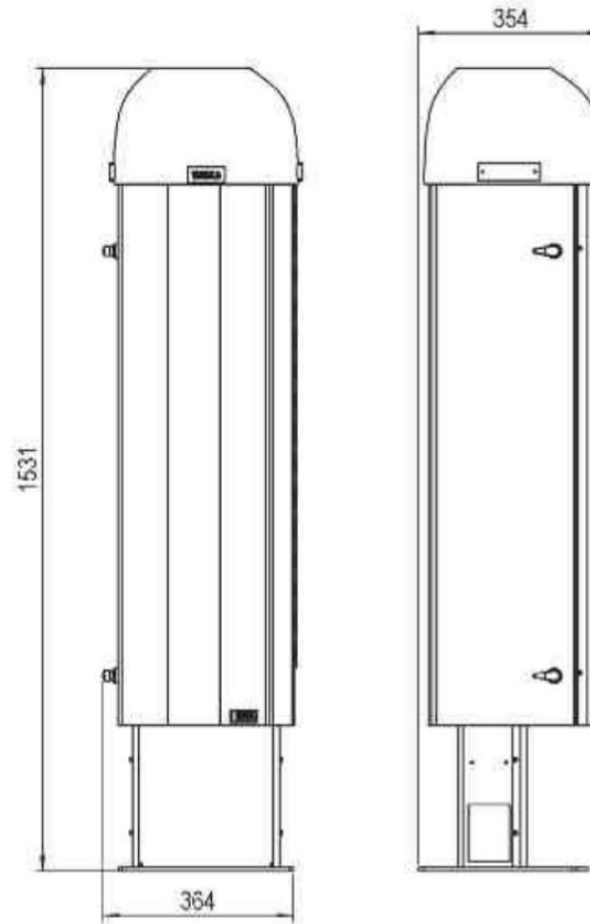


Plans for the Ceilometers

Petr Janeček

- Ceilometer – low power near IR LIDAR
- produces vertical cloud profile
- 2016 – tried to get funding
 - price quotes
 - practical considerations

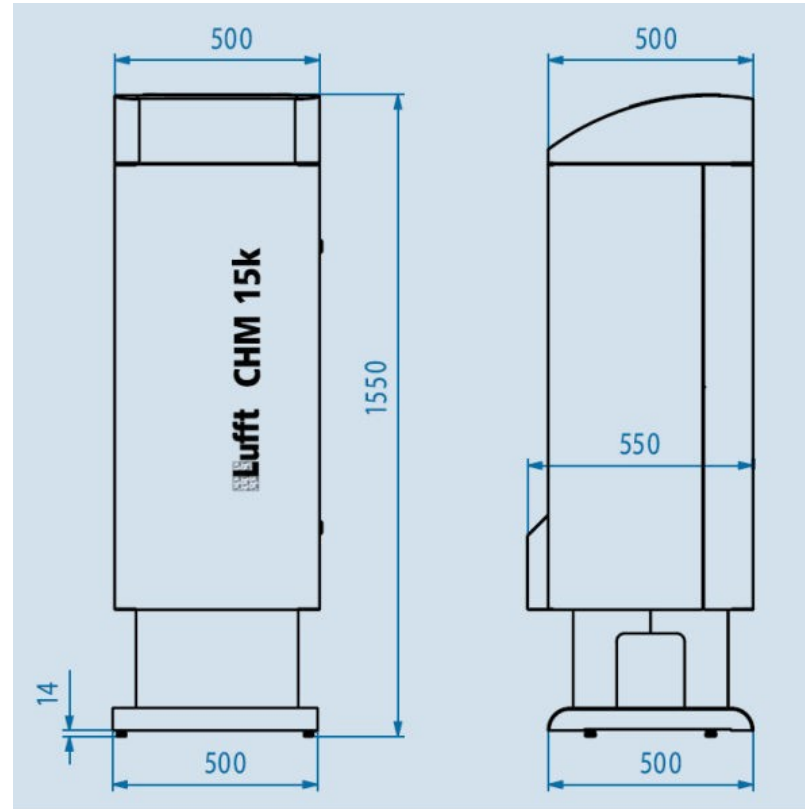
Vaisala CL51



46 kg
IP65
RS232
(or LAN)
310 W
single lens
910 nm
clouds < 13 km
(backscattering < 15 km)

52 k€

Lufft CHM15k (Jenoptik)



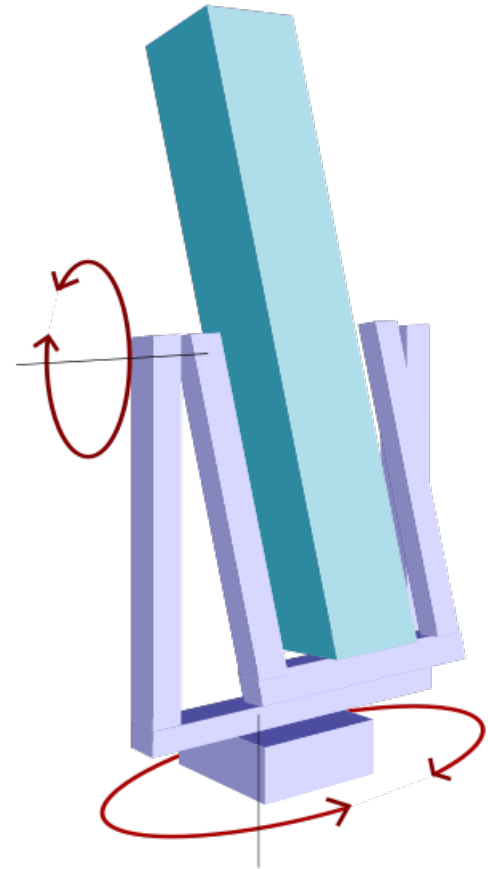
70 kg
IP65
clouds < 15 km
RS485, LAN
< 800 W
(heating)
double lens
1064 nm

32 k€

- All ceilometers designed for fixed vertical (or 12° tilted) operation
- Astronomical mount not usable (not weather sealed)
- Attachment at bottom, high moment of inertia, side must be accessible for service. . .
- HESS?



Vaisala CT25K
(out of production)



Proposed Alt-Az mount

ELYA cost estimate ~30 k€