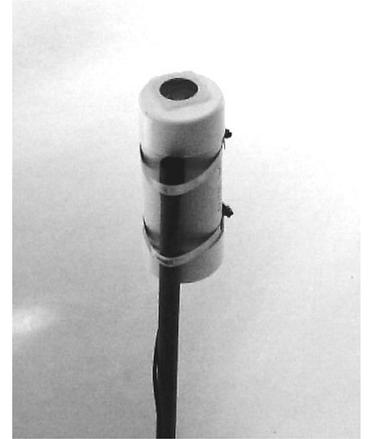


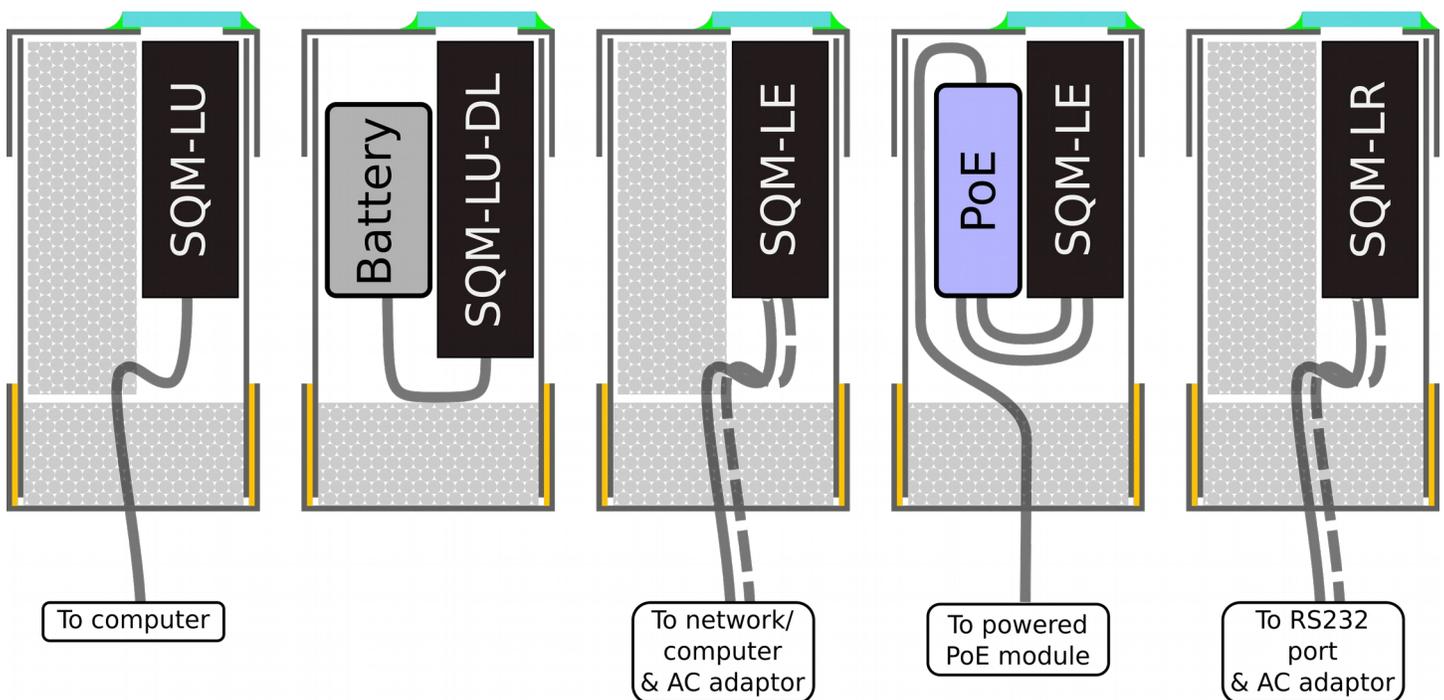
# SQM-LE Weatherproof housing

## Features

- White surfaces reflect the hot summer sunshine.
- Opening on bottom to allow moisture to escape.
- Glass top to prevent scratching when removing ice.
- Raised glass surface to prevent dirt and leaves from collecting.
- Small glass opening to minimize internal heating due to the Sun.
- Cable opening at bottom sealed with open-cell (breathable) foam prevents insects from entering.
- Marine silicone seal rated for outdoor use.
- Silicone seal around glass extends beyond glass-plastic interface to prevent ice from building in crevices.
- Hose clamps for easy mounting to pole.



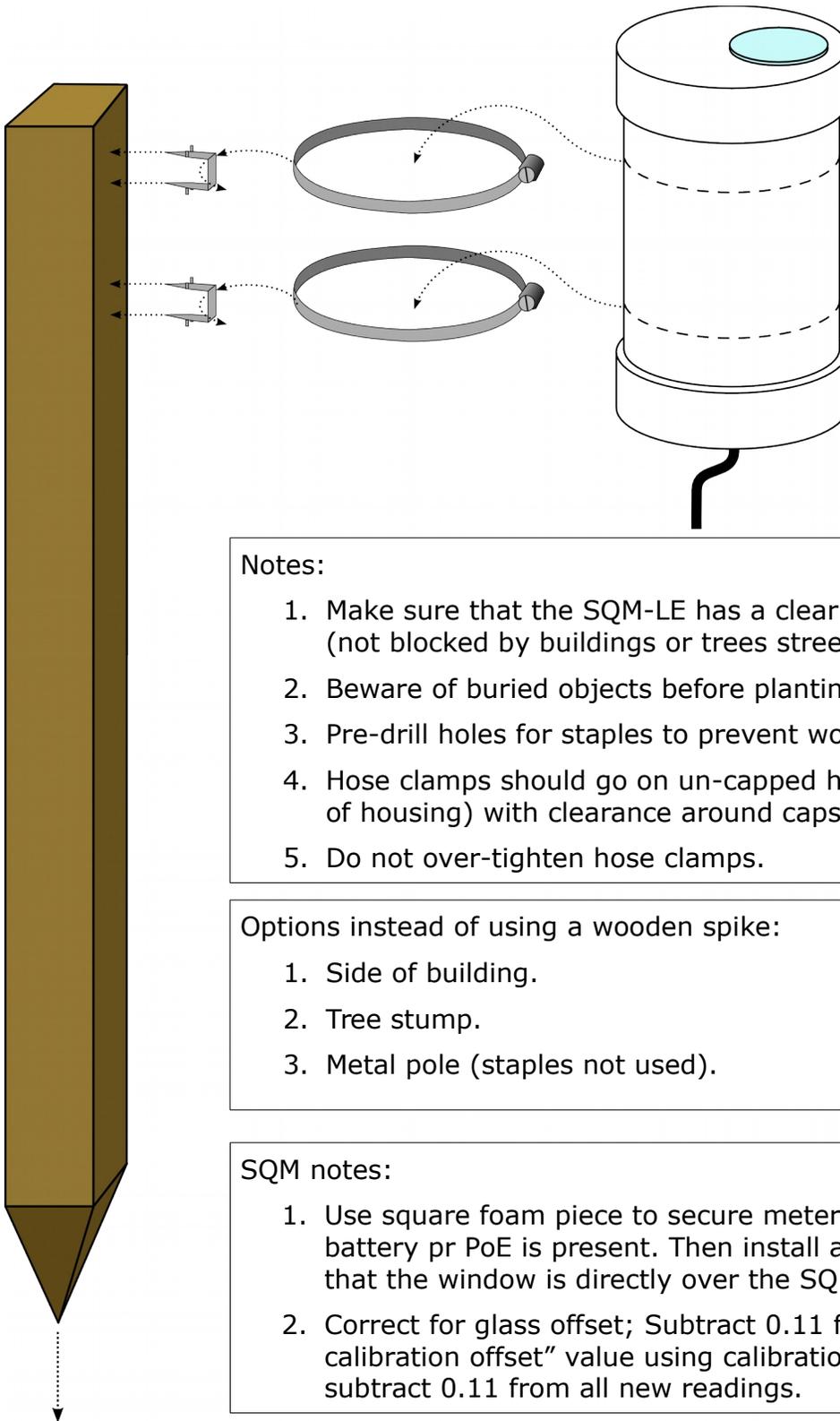
*Illustration 1: Installed outdoors*



*Illustration 2: Possible assemblies*

# Mounting

One possible mounting method is shown below:



## Notes:

1. Make sure that the SQM-LE has a clear view of the sky (not blocked by buildings or trees street lights).
2. Beware of buried objects before planting wooden stake.
3. Pre-drill holes for staples to prevent wood splitting.
4. Hose clamps should go on un-capped housing area (center of housing) with clearance around caps for staples.
5. Do not over-tighten hose clamps.

## Options instead of using a wooden spike:

1. Side of building.
2. Tree stump.
3. Metal pole (staples not used).

## SQM notes:

1. Use square foam piece to secure meter in tube when no battery pr PoE is present. Then install and rotate cap so that the window is directly over the SQM lens.
2. Correct for glass offset; Subtract 0.11 from "Light calibration offset" value using calibration software, or subtract 0.11 from all new readings.