



Disclaimer
Please note that this comparison tool is not a binding offer but only provides an indicative comparison. Cost and prices might in reality be different. ELPRO does not grant any warranty or liability on the basis of this comparison tool.

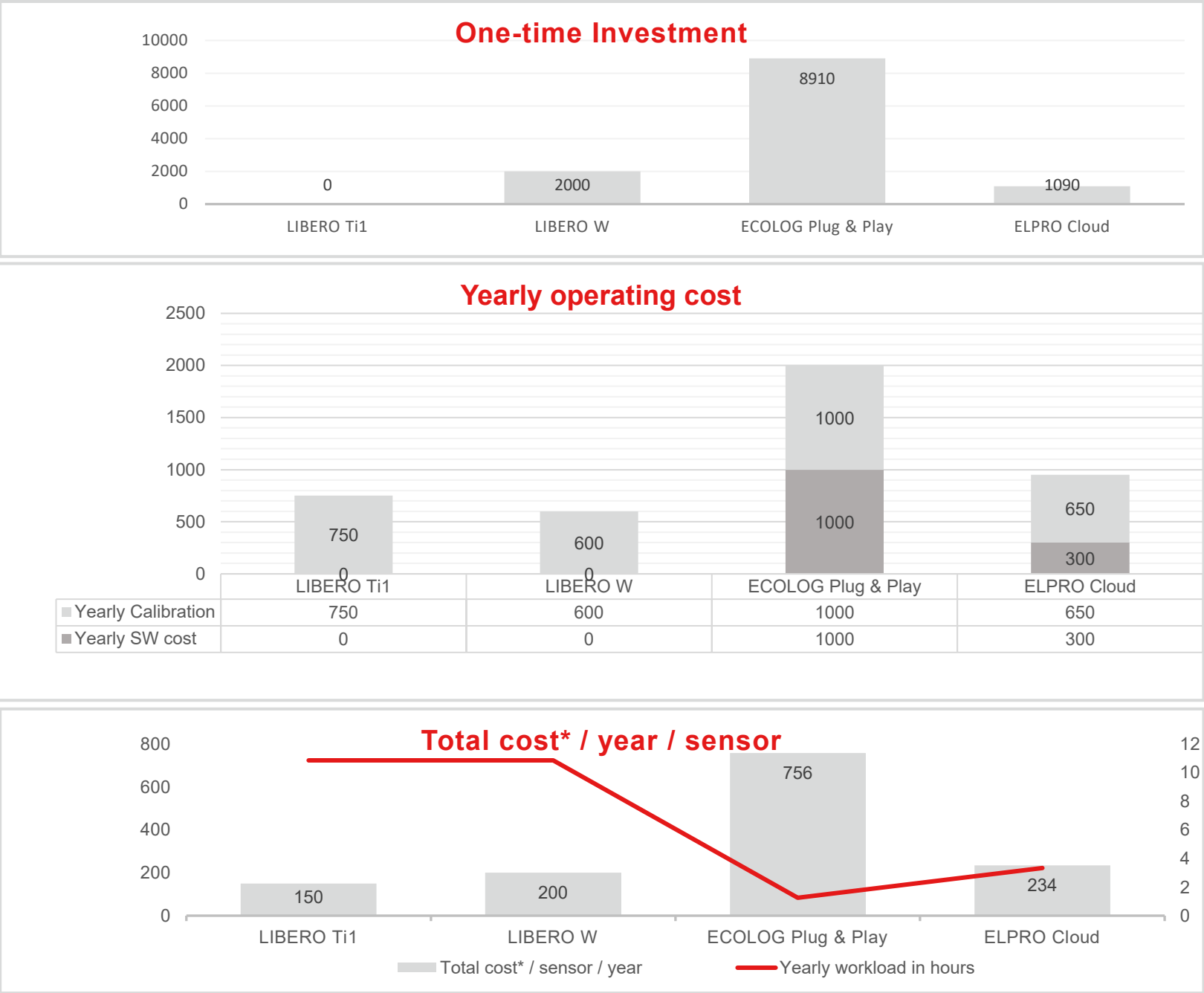
Measurement Points: Temperature
Humidity

Input



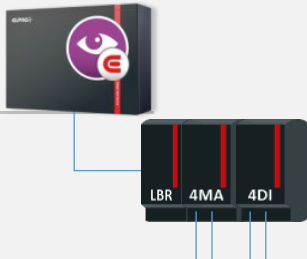

5

0

Hints
Calculate one MP per fridge, one per 10m2 warehouse
Calculate one MP per incubator, one per warehouse
All values in CHF (which is almost equivalent to EUR and USD)



*incl. 5 year depreciation of investment

| | | | | |
|--------------|---|--|---|---|
| Hardware | One data logger per measurement point | One base & one wireless sensor per measurement point | Wired measurement modules & probes | IoT-network bridge & wireless sensors |
| Software | No Software (PDF report) | No Software (PDF report) | Software operated on appliance (ECOLOG-PRO Base) | Cloud based Software-as-a-Service (ELPRO Cloud) |
| Power supply | Single-use lithium battery (no exchange possible) | Base & sensor with exchangeable alkaline battery | External power supply (AC/DC) | Sensors with exchangeable alkaline battery |
| Installation | Self-placement | Self-placement | Wiring & configuration by ELPRO on-site service technician | Self-placement & self-configuration |
| Report | Manual perform quarterly PDF | Manual perform quarterly PDF | Fully automated monthly report | Fully automated monthly report |
| Alarming | Visual on device | Audio-visual on base | Alarm via email, SMS, lamp | Alarm via email, SMS |
| Calibration | Yearly exchange | Yearly replacement sensor | By ELPRO on-site service technician | Self-calibration or replacement sensor |
| |  |  |  |  |

| LIBERO Ti1 | | | Units | Cost per unit |
|------------------------------|---|---------------|-------|---------------|
| Investment | Hardware | | | |
| | Hardware | n/a | | |
| | Hardware | n/a | | |
| | One-time investment | | | |
| Depreciation/ year (5 years) | | | | |
| Yearly operating cost | Software | | | |
| | Calibration | LIBERO Ti1 | °C | 5150 |
| | Calibration | LIBERO THi1-Y | %RH | 0195 |
| | Yearly operating cost | | | 5 |
| Total cost | Total cost* / sensor / year | | | |
| | *incl 5 year depreciation of investment | | | |

| | | | | Units | Min |
|----------|--------------------------|------------------------------------|--|-------|-----|
| Workload | Workload | Reporting & arch. (4 / year / s.) | | 20 | 10 |
| | Workload | Deviation handling (1 / year / s.) | | 5 | 30 |
| | Workload | Yearly calibration (replacement) | | 5 | 60 |
| | Yearly workload in hours | | | | |

| Total Cost | LIBERO W | | Units | Cost per unit | Total Cost |
|---------------|---|-----|-------|------------------|---------------|
| | LIBERO W (WB, WSI) | °C | 5 | 400 | 2000 |
| | n/a | %RH | | | |
| | One-time investment | | | | 2000 |
| | Depreciation/ year (5 years) | | | | 400 |
| 750 | Replacement Sensors | °C | 5 | 120 | 600 |
| 0 | n/a | %RH | | | |
| 750 | Yearly operating cost | | 5 | | 600 |
| 150 | Total cost* / sensor / year | | | | 200 |
| | *incl 5 year depreciation of investment | | | | |

| Total hours | | Units | Min | Total hours |
|----------------|------------------------------------|-------|-----|----------------|
| 3 | Reporting & arch. (4 / year / s.) | 20 | 10 | 3 |
| 3 | Deviation handling (1 / year / s.) | 5 | 30 | 3 |
| 5 | Yearly calibration (replacement) | 5 | 60 | 5 |
| 11 | Yearly workload in hours | | | 11 |

| ECOLOG Plug & Play | | Units | Cost per unit | Total Cost |
|-------------------------------|-----|-------|------------------|---------------|
| Base | | 1 | 5000 | 5000 |
| Indicated cost °C-sensors | °C | 5 | 782 | 3910 |
| Indicated cost %RH-sensors | %RH | 0 | 1450 | 0 |
| One-time investment | | | | 8910 |

| | | | | |
|------------------------------|--|--|--|------|
| Depreciation/ year (5 years) | | | | 1782 |
|------------------------------|--|--|--|------|

| | | | | |
|-----------------------|-----|---|------|------|
| SW Maintenance | | 1 | 1000 | 1000 |
| On-Site Calibration | °C | 5 | 200 | 1000 |
| On-Site Calibration | %RH | 0 | 250 | 0 |
| Yearly operating cost | | 5 | | 2000 |

| | | | | |
|-----------------------------|--|--|--|-----|
| Total cost* / sensor / year | | | | 756 |
|-----------------------------|--|--|--|-----|

*incl 5 year depreciation of investment

| | Units | Min | Total hours |
|------------------------------------|-------|-----|----------------|
| Automated reporting & archiving | 60 | 0 | 0 |
| Deviation handling (1 / year / s.) | 5 | 10 | 1 |
| Yearly calibration (replacement) | 5 | 5 | 0 |
| Yearly workload in hours | | | 1 |

| ELPRO Cloud | | Units | Cost per unit | Total Cost |
|----------------------------------|-----|-------|------------------|---------------|
| Starter-Kit (incl. RBR & 2 x °C) | | 1 | 520 | 520 |
| Temperature sensors | °C | 3 | 190 | 570 |
| Humidity-Kits | %RH | 0 | 520 | 0 |
| One-time investment | | | | 1090 |

| | |
|------------------------------|-----|
| Depreciation/ year (5 years) | 218 |
|------------------------------|-----|

| | | | |
|-------------------------|-----|----|-----|
| Yearly license fee | 5 | 60 | 300 |
| Self-Calibration °C | °C | 5 | 130 |
| Replacement sensors %RH | %RH | 0 | 170 |
| Yearly operating cost | 5 | | 950 |

| | |
|-----------------------------|-----|
| Total cost* / sensor / year | 234 |
|-----------------------------|-----|

*incl 5 year depreciation of investment

| | Units | Min | Total hours |
|------------------------------------|-------|-----|----------------|
| Automated reporting & archiving | 60 | 0 | 0 |
| Deviation handling (1 / year / s.) | 5 | 10 | 1 |
| Yearly calibration (replacement) | 5 | 30 | 3 |
| Yearly workload | | | 3 |