

Battery Life Expectation for Comark Thermometers

Comark thermometers are battery powered and will have a battery life expectation before replacement is required.



What does the battery life actually mean in real world use?

Comark C22 Thermometer is one of our most popular thermometers and one with the longest quoted battery life of up to 14,000 hours. What does that mean?

When a C22 thermometer is fitted with a standard Comark probe and used in continuously ON mode, 14,000 hours equates to 18+ months!

Why don't I get 18 months' battery life?

Battery life quotes are based on a calculation from the battery manufacturer's datasheet along with measurements taken from a test instrument, all at 23°C ambient temperature. Taking all these values into account we arrive at a notional battery life, however, real battery life may be less. This is due to a number of factors that are out of Comark's control such as:



Extreme Low Temperature Operation



Constant use of the Alarms/Buzzer/Countdown Timer



Not switching off the thermometer when not in use



Using Cheap or Low Quality Replacement Battery

Is there anything I can do to improve the battery life?

If you are regularly using the thermometer in very low ambient temperature environments such as walk-in refrigerators or freezers then you may experience reduced battery life. Some thermometers are fitted with AA cells (Alkaline cells). Lithium cells cope better with low temperatures so switching to an equivalent Lithium battery such as an Energizer L91 should improve battery life. These batteries may not provide increased battery life in normal/ambient conditions but for low ambient temperature operation these will last longer than regular Alkaline cells.

If you have any further questions about the battery life of your Comark Thermometers, please contact Comark at technical@comarkinstruments.com for more help and advice.