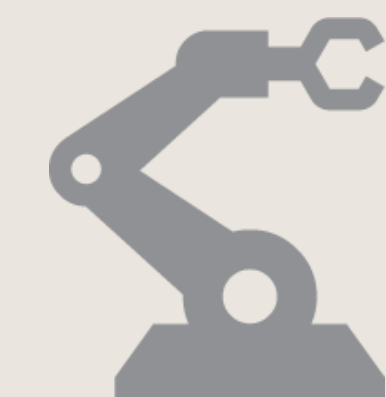
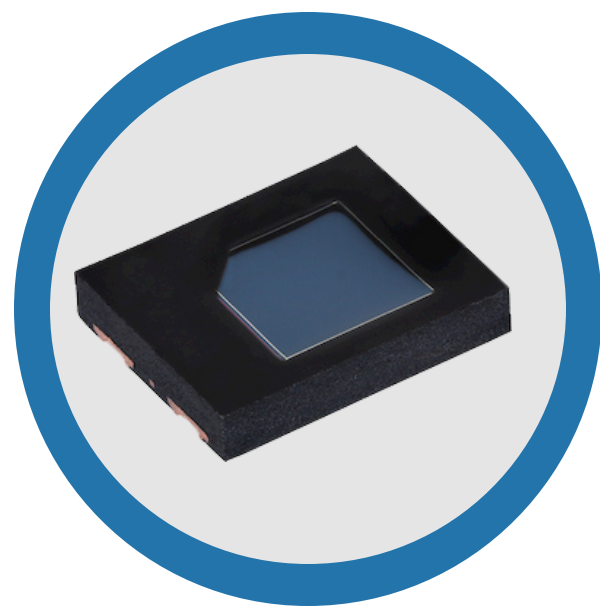




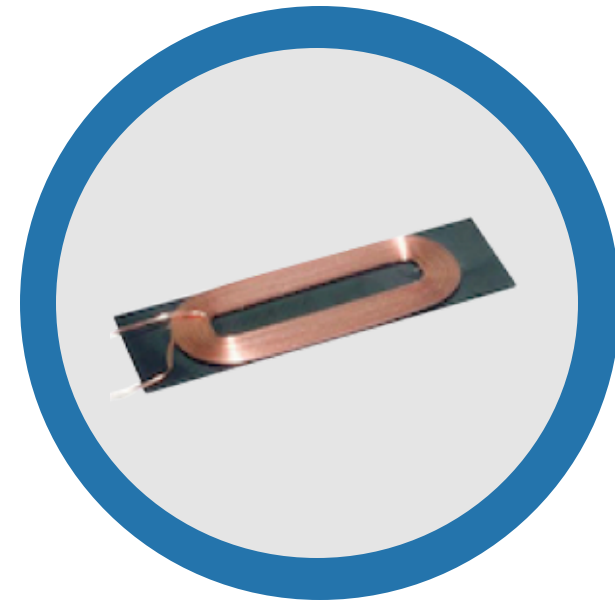
IoT

Batteryless Self-Sustaining Devices

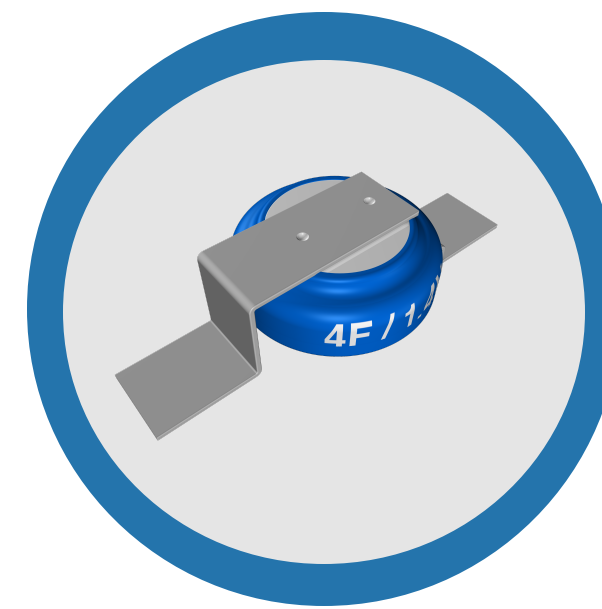
Install and Forget – the Ultimate Guide



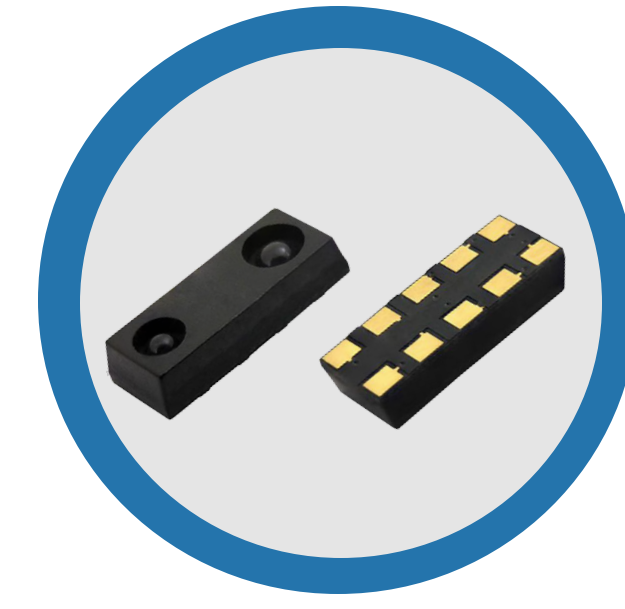
Silicon PIN Photodiode
VEMD5080X01



**Wireless Charging
Receiving Coil / Shield**
IWAS3010AZEB130KF1



Hybrid Energy Storage Capacitors
196 HVC ENYCAP™



**Proximity and Ambient Light
Sensor with I²C Interface**
VCNL4200

Energy harvesting elements

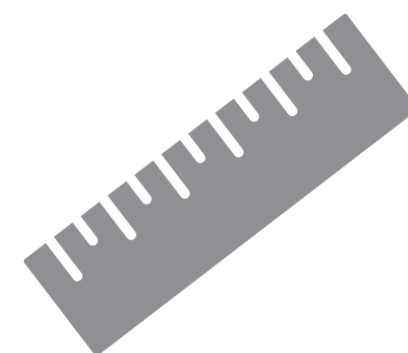
Battery replacement

Low power sensors

ADVANTAGES



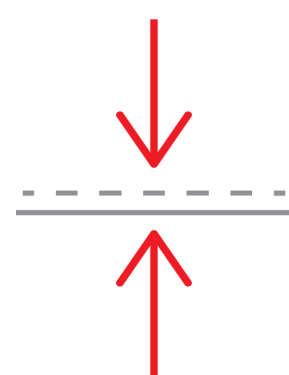
Infinite operating lifetime



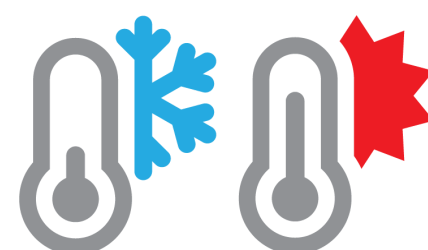
Measure conditions in
hard to maintain places



Cost savings on maintenance



Low profile components
for miniaturization



Ambient temperature
-20 °C to +85 °C



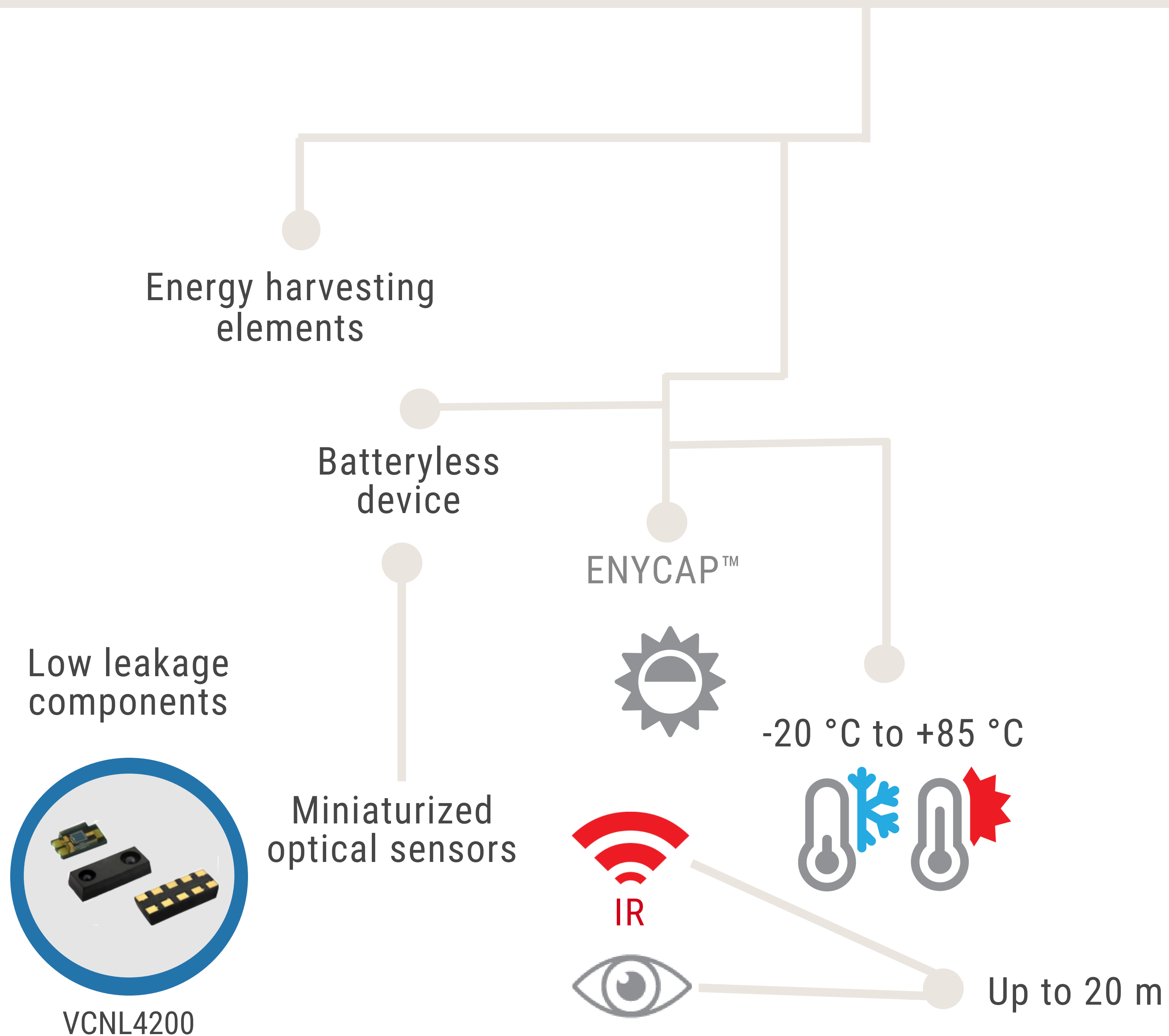
Environmentally
friendly – Vishay Green



Portable

> 10 years

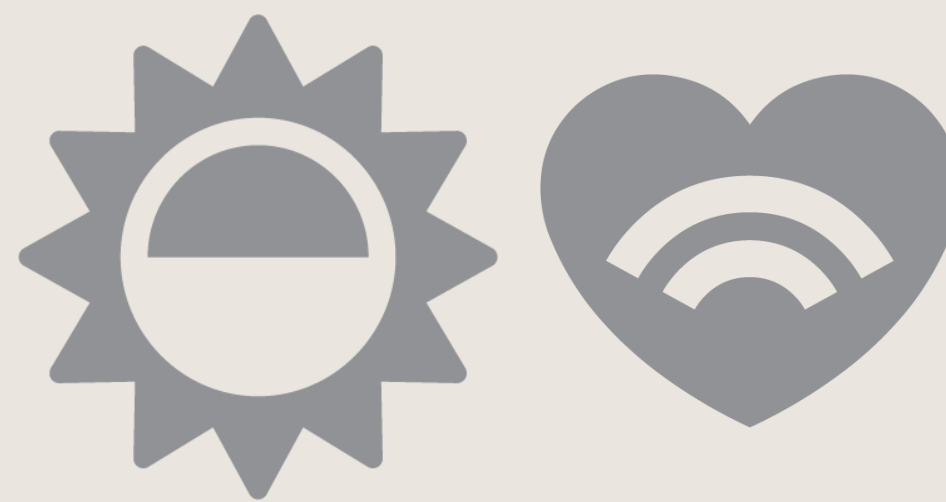
Operating Life-Time



APPLICATIONS



Presence Check
Proximity Detection



Ambient Light Control
Health Monitoring



Biometric
Monitoring



Wearables
Gesture Sensors



Need Technical Support? Email our Vishay Application Experts