

Beacon



Product description

The Luneta Beacon System is an intuitive oil level alert solution designed to work seamlessly with the Luneta Condition Monitoring Pod (CMP) and Oil Level Sensor. It provides immediate, highly visible indication of a drop in oil level by flashing a bright red LED, ensuring that critical lubrication issues are spotted early—before they lead to equipment damage or downtime.

The Oil Level Sensor installs directly inside the CMP sight glass and is connected to the Beacon module via a durable cable available in multiple lengths. Both the Beacon and sensor are battery powered for ease of installation, with no wiring or external power required. A high-strength magnet built into the Beacon module allows it to be quickly and securely attached to any ferromagnetic surface within line of sight.

Designed for demanding industrial environments, the system features robust materials, UV-stabilised components, and IP65 protection against dust and water ingress. From walk-round inspection routes to remote lubrication points, the Beacon System provides a reliable and highly visible method of monitoring oil level conditions at a glance.

Key features

- Bright LED alert instantly signals a drop in oil level
- Long-life battery operation for easy, wire-free installation
- High-strength magnet for fast mounting on metal surfaces
- UV-stabilised and IP65-rated for outdoor and harsh-environment use
- Compatible with CMP and Luneta Oil Level Sensors

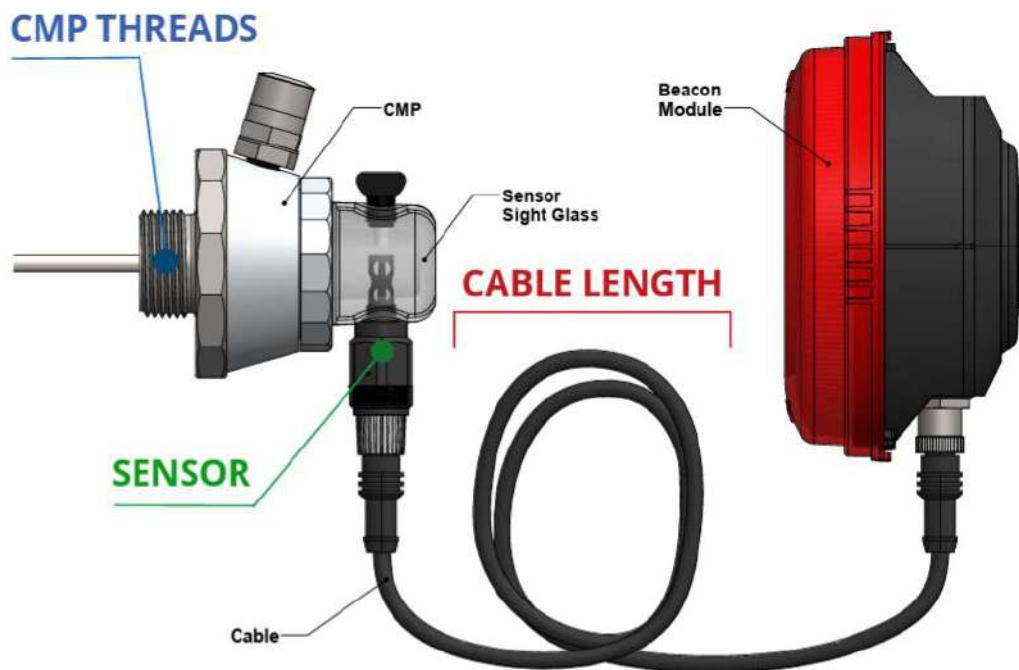
- Available with 1-metre or 3-metre cable lengths
- Simple plug-and-play sensor connection using M12 4-pin connector
- Ideal for maintenance rounds, remote assets and low-visibility locations

Specifications

- Application: Oil level ports
- Shipping weight: 2.8 lbs

Operating conditions

- Recommended temperature: -40°F to 140°F (-40°C to 60°C)
- Recommended pressure: Low-pressure applications

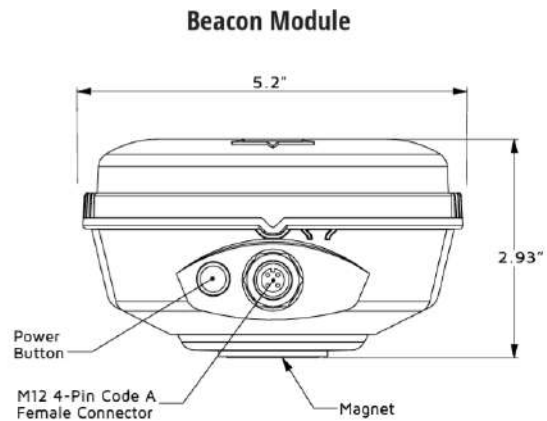
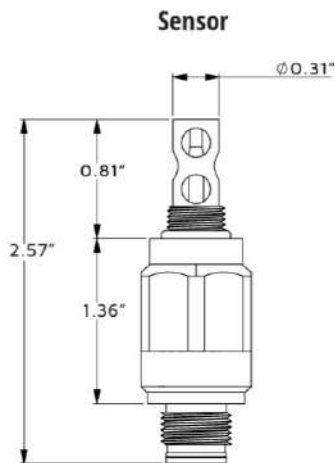


Compatibility

- Outdoor: UV stabilisers for long-term sun exposure; IP65 protection
- Chemical:
 - CMP, sight glass and sensor are resistant to mineral and synthetic oils compatible with Viton™ and PMMA (acrylic)
 - Beacon module and cable resist cleaning chemicals compatible with PVC, PC and PC/ABS

Components and materials

- Beacon module: Polycarbonate, PC/ABS, silicone, nickel-plated brass, PA66, nitrile rubber, neodymium rare-earth magnet, zinc-plated steel
- Beacon cable: M12 4-pin connectors, unshielded PVC, gold-plated copper pins
- Oil level sensor: Teflon-coated stainless steel, Viton™, alloy 615
- CMP: Tritan™, anodised aluminium, stainless steel, zinc-plated steel, neodymium rare-earth magnet, steel, Viton™



Tests and approvals

- IP65
- FCC Part 15
- CE certification

What's included

- Beacon module
- AA batteries (Energizer L91, 4 pcs)
- Beacon cable
- Luneta oil level sensor
- CMP with sensor sight glass
- Manual

Benefits

- Provides immediate, clear oil level alerts to prevent lubrication-related failures
- Allows maintenance teams to visually confirm oil level status from a distance
- No electrical installation required—ideal for retrofit applications
- Reliable operation in challenging environments, indoors or outdoors
- Helps improve inspection efficiency and reduce unplanned downtime
- Offers flexible installation thanks to magnetic mounting and cable length options