

Condition Monitoring Pods (CMP)



Product description

The Luneta Condition Monitoring Pod® is a versatile, multiparameter inspection tool designed to transform the way you carry out daily machinery checks. Engineered from ultra-durable, crystal-clear Tritan™, it offers nearly 360-degree oil visibility so you can assess lubricant condition at a glance. Its flat front face allows for the use of inspection torches and cameras, making it ideal for operators who want reliable, close-up observations without dismantling equipment.

What truly sets this Pod apart is its suite of built-in diagnostic features. Inside the sight glass, a corrosion indicator provides early warning of chemical changes that could threaten machine health. A magnetic plug captures ferrous wear debris, helping you spot internal component distress before it becomes critical. Both indicators are removable, allowing for further bench analysis when required.

For more advanced monitoring, the Pod includes a standard flow sampling valve with a stainless-steel pilot tube. This setup enables precise, live-zone oil sampling rather than settling for contaminated or stagnant oil from drain points. Combined with its rotatable sight glass and rugged anodised aluminium body, the Pod offers a comprehensive, real-world picture of your machine's lubrication condition.

Whether you're responsible for a single gearbox or an entire fleet of assets, the Condition Monitoring Pod® gives you the clarity, confidence and actionable insight needed to maintain equipment performance and reduce unplanned downtime.



Key features

- Multiparameter design for in-depth lubricant condition assessment
- Nearly 360° oil visibility through crystal-clear Tritan™ sight glass
- Flat face for enhanced lighting or camera inspection
- Built-in corrosion indicator for early chemical-change detection
- Magnetic plug to capture and reveal ferrous wear particles
- Standard flow sampling valve with pilot tube for accurate live-zone oil sampling
- Rotatable sight glass for flexible inspection and easy removal
- Anodised aluminium pod body for long-term durability
- UV-stabilised for outdoor use and long service life
- Compatible with most mineral and synthetic oils

Specifications

- **Application:** Oil level ports
- **Shipping weight:** 1.2 lbs
- **Recommended temperature:** -40°C to 93°C
- **Recommended pressure:** Suitable for low-pressure applications
- **Compatibility:**
 - Outdoor: UV stabilisers resist long-term sun exposure
 - Chemical: Suitable for oils compatible with fluorocarbon elastomers (Viton™) and PMMA plastics

- **Materials:**

- Sight glass: Tritan™
- Pod body: Anodised aluminium
- Thread reducer & pilot tube: Stainless steel
- Standard flow sampling valve (M16 × 2.0): Zinc-plated steel
- Magnetic plug: Neodymium rare-earth magnet
- Corrosion indicator: Steel
- Gaskets: Viton™
- O-ring: Viton™, included with BSPP and metric models

What's included

Sight glass, standard flow sampling valve with pilot tube, reducer, pod body, magnetic plug, corrosion indicator and two gaskets.

Benefits

- Enables rapid, one-minute inspections with meaningful insight
- Reduces the risk of unexpected failures through early detection of corrosion and wear
- Improves sampling accuracy for more reliable lab results
- Provides a full picture of oil health without downtime or disassembly
- Enhances maintenance planning and asset reliability

Thread Types

BSPP

Threads	Part Nr.
1/2" BSPP	LA-CMPOD050BSPP
3/4" BSPP	LA-CMPOD075BSPP
1" BSPP	LA-CMPOD100BSPP
1-1/4" BSPP	LA-CMPOD125BSPP
1-1/2" BSPP	LA-CMPOD150BSPP
2" BSPP	LA-CMPOD200BSPP

NPT

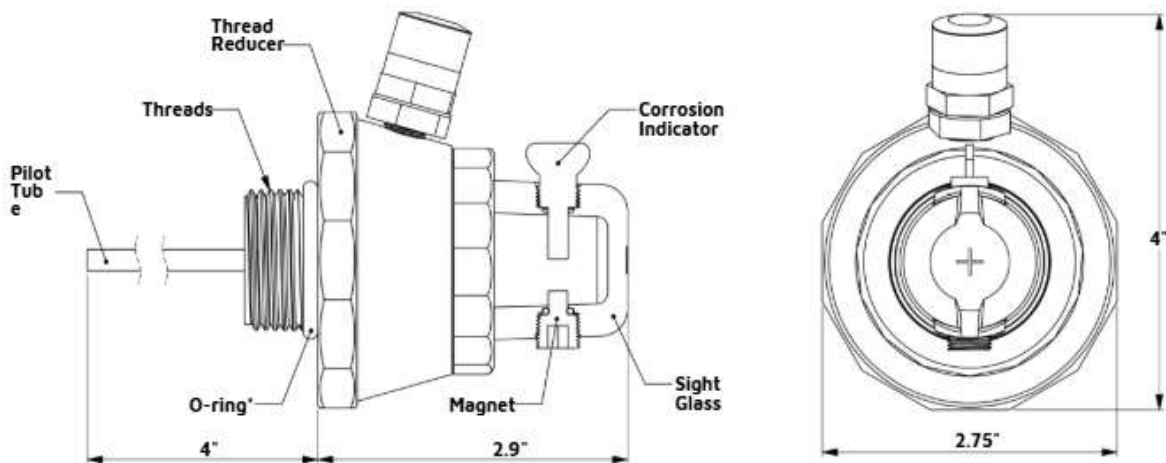
Threads	Part Nr.
1/2" NPT	LA-CMPOD050NPT
3/4" NPT	LA-CMPOD075NPT
1" NPT	LA-CMPOD100NPT
1-1/4" NPT	LA-CMPOD125NPT
1-1/2" NPT	LA-CMPOD150NPT
2" NPT	LA-CMPOD200NPT

BSPT

Threads	Part Nr.
2" BSPT	LA-CMPOD2000BSPT

Metric

Threads	Part Nr.
M20X1,5	LA-CMPODM2015
M22X1,5	LA-CMPODM2215
M24X1,5	LA-CMPODM2415
M26X1,5	LA-CMPODM2615
M27X1,5	LA-CMPODM2715
M30X1,5	LA-CMPODM3015
M30X2,0	LA-CMPODM3020
M33X1,5	LA-CMPODM3315
M33X2,0	LA-CMPODM3320
M36X1,5	LA-CMPODM3615
M41X1,5	LA-CMPODM4115
M42X2,0	LA-CMPODM4220
M42X1,5	LA-CMPODM4215
M52X1,5	LA-CMPODM5215



*O-rings are included with BSPP and Metric sizes only.