

INTRODUCING THE OPT100 MOBILE DISSOLVED GAS ANALYSIS SYSTEM (DGA)

Built on Vaisala's Optimus™ platform, the OPT100 sets a new industry benchmark for transformer monitoring. Together, Filmax and Vaisala are delivering the next generation of transformer protection—**where you need it, when you need it.**



**Maximize
Transformer
Lifespan**



**Lowest Total
Cost of
Ownership**



**Accurate,
Worry-Free
Monitoring**



Filmax, LLC
6775 Corporate Park Drive
Loudon, TN 37774
PH: 800-321-3895
WWW.FILMAXLLC.COM

**POWERED BY
VAISALA**

DELIVERED BY



Engineering Confidence Together

© Filmax, LLC

This material is subject to copyright protection, with all copyrights retained by Filmax, LLC and its individual partners. All rights reserved. Any logos and/or product names are trademarks of Filmax, LLC or its individual partners. The reproduction, transfer, distribution or storage of information contained in this brochure in any form without the prior written consent of Filmax, LLC is strictly prohibited. All specifications – technical included – are subject to change without notice.

SMARTER INSIGHTS TODAY FOR A STRONGER GRID TOMORROW



Prevent failures and extend asset life with real-time DGA monitoring.



Built on Vaisala's Optimus™ platform with no consumables and minimal maintenance.



Drift-free measurement of 9 gases plus total gas pressure system to eliminate false alarms

Filmax ingenuity meets Vaisala technology to deliver the next generation of mobile transformer monitoring. By combining Vaisala's proven Optimus™ platform with Filmax's custom engineering and decades of oil filtration expertise, every system is designed for effortless transport, rapid deployment, and reliable performance in the toughest environments.

Together, Filmax and Vaisala provide a solution that adapts to your operation – protecting critical assets with unmatched precision and flexibility

Product Specifications

System Highlights

- Zero Maintenance: 15-year lifespan with no consumables, service, or parts replacement required.
- Fast Installation: Installs in under two hours without certified technicians; local support available.
- Advanced Interface: Intuitive software with graphical/numeric gas data, DGA diagnostics, and free updates.
- Self-Diagnostics: Automatic system checks on startup and after power interruptions maximize uptime.
- Future-Proof Communications: Supports DNP3 and Modbus; NERC CIP compliant.
- Precision Measurement: IR reference technology eliminates drift; vacuum gas extraction achieves up to 95% gas recovery.
- Rugged Performance: Stainless steel components, IP66 housing, and temperature-controlled handling perform in extreme environments.
- Leak Detection: Monitors total gas pressure to identify oxygen ingress even after oxygen-consuming reactions.

Enclosure & Construction

- NEMA 3, 12-gauge carbon steel dual-access enclosure (48" x 48" x 48")
- Overlapping double doors with continuous hinges and heavy-duty three-point padlocking handle
- All seams fully welded and ground smooth
- Integrated spill containment with detection switch
- Forklift slots and lifting hooks for mobility
- Excess space for storage and accessories
- Extensive grounding of components to the frame
- Heavy-duty cam-action latches with self-adhesive urethane gasket for a tight seal
- Tamper-resistant design to protect against human and animal interference

Hose Connections

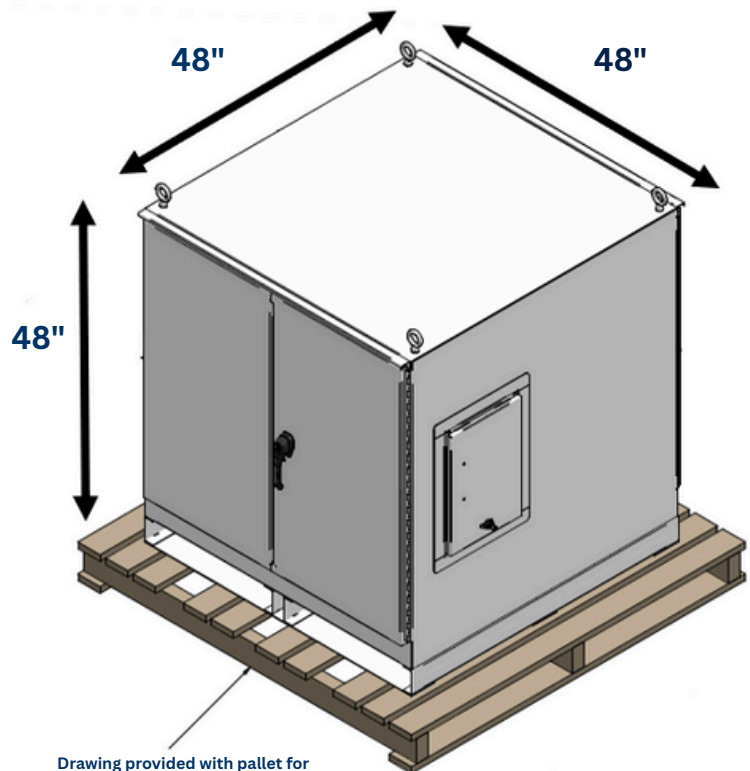
- 3/8" inlet and outlet hoses, up to 25 ft length
- Swagelok quick-connect fittings (optional bushing installation kit available)

Electrical

- Operates on 120 or 240 VAC single phase (optional 110–220 VDC)
- Max power consumption: 500 watts (4.2 amps at 120 VAC)
- Runs on a standard extension cord from a 15-amp outlet

Data Transmission (Optional)

- Remote monitoring capability with cellular modem and antenna
- Provides remote access to system condition and data



Drawing provided with pallet for reference only. Dimensions may vary with mobile platform choice. Standard external enclosure size of 48 x 48 x 48 in. will remain unchanged

48" Overall dimensions on all three axes
45.25" Front/rear eye bolt spacing
44.00" Side eye bolt spacing

©Filmax, LLC

This material is subject to copyright protection, with all copyrights retained by Filmax, LLC and its individual partners. All rights reserved. Any logos and/or product names are trademarks of Filmax, LLC or its individual partners. The reproduction, transfer, distribution or storage of information contained in this brochure in any form without the prior written consent of Filmax, LLC is strictly prohibited. All specifications – technical included – are subject to change without notice.