

OUTDOOR OPTICAL DATA ACQUISITION SYSTEM

REAL-TIME. RELIABLE. REUSABLE.

AOMS Outdoor ODAQ™ is a fully integrated multichannel fiber optic data acquisition system within a customized NEMA-3R enclosure. The unit can be used for monitoring multiple sensor cables of different types. Outdoor ODAQ™ is a stand-alone unit which includes a fiber optic interrogation system, NEMA-3R enclosure with internal temperature and humidity control, and AOMS Lumi™ data aggregation software suite. Outdoor ODAQ™ has the built-in capability for wired and wireless data communication using most common industry standard protocols to streamline integration with other equipment in the field. The unit is also offered with optional cloud-based data storage.



SPECIFICATION	DATA
Max sensor channels	144
Max data acquisition rate	1 kHz
Operating temp. range	-20 - 60 °C
Operating humidity range	10 - 90 RH%
External dimensions	1192×610×552 mm
Weight	75 kg
Input Voltage	110/220 VAC
Input Amperate	2.5/1.4 A
Power (typical / max)	80/300 W
Optical connection	SC or LC with IP68 protection
Built-in software	AOMS Lumi™
Data comms. interface	Ethernet, WiFi

KEY FEATURES

- Outdoor installation
- Multi-sensor connection
- Built-in environmental control
- Industry standard data communication interface

APPLICATIONS

- Environmental sensing
- Subterranean measurements
- Geotechnical sensing
- Electrical asset monitoring
- Oil and gas