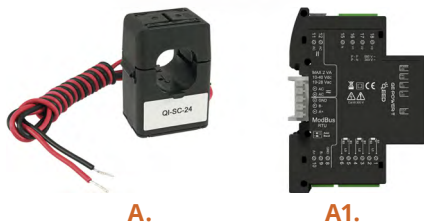


WAVELET ARTIFICIAL LIFT KIT



SUMMARY

Reservoir pressure inevitably declines over the lifetime of producing oil & gas wells. Artificial lift plays a crucial role in producing wells that no longer provide natural flow, improving production, and managing reservoirs.

Ayyeka's Artificial Lift Kit provides end-to-end solutions for continuous remote monitoring of artificial lift systems and pump-off controllers. With near-real-time data, operators can enhance production, reduce unplanned downtime, prolong equipment lifetime, improve operational efficiency, and drive down lifting costs.

The Artificial Lift Kit consists of: a current transformer for monitoring pumping unit motors; a Wavelet data acquisition device configurable with analog, discrete, and serial inputs; secure two-way communication over cellular and LPWAN networks; user-friendly data and device management; and seamless connectivity to SCADA and other data systems.

FEATURES

- ▶ Redundant Communication & Power
- ▶ Rugged Design for Harsh Environments
- ▶ Configurable Alarms for Situational Awareness

APPLICATIONS

- ▶ Production Optimization
- ▶ Reduced Unplanned Downtime
- ▶ Operational Efficiency
- ▶ Predictive Maintenance

SENSOR SPECIFICATIONS

A. AC Current Transformer (Primary 200A, Secondary 5A)

Input Current	0 – 200 Amp AC. Other ranges available upon request.
Overload	320 Amp AC
Rated Frequency	50/60 Hz
Rated Voltage	0.66 kV
Accuracy	≤ 1% of span
Operating Temperature	-15°C to 45°C (5°F to 113°F)

ACCESSORY SPECIFICATIONS

A1. Three-Phase Power Analyzer (used with A.)

Power Supply	10-40 VDC or 18-28 VAC - 50/60Hz
Voltage Input	Direct connection up to 500V RMS max. (40-70Hz)
Accuracy	Voltage: ±0.5% RDG; Current ±0.5% RDG; Active & Reactive Power: ±0.5% RDG
Operating Temperature	-10°C to 60°C (14°F to 140°F)

Model No. WA3111-SE00076-SE00076-SE00076-WA00134-WA00140-WA00156

Wavelet Artificial Lift Kit includes:

- Wavelet Device & Activator
- 4G (LTE), 3G, 2G Global SIM Card
- Internal Lithium Battery
- Installation Hardware
- External Power Connector
- Modbus Input for Pump-Off Controller
- **WA00140** 3 m (10-ft) Serial Port Cable
- **WA00156** 2-Port Serial Cable Splitter
- **A. SE00076** AC Current Transformers (Primary 200A, Secondary 5A), Split Core 2.4 cm (0.9 in.) Window, 1 m (3-ft) Cable
- **A1. WA00134** Three Phase Power Analyzer