

# ForeSite® EDGE<sup>C</sup> Rod Pump Controller (RPC)

## Applications

- Reciprocating rod-lift wells

## Features and Benefits

- Guided-setup menu ensure easy installation in only a few minutes for fast start and immediate optimization
- Custom enclosure provides years of weatherized protection and reliable service in all environments
- Easy-to-read touch screen with HMI display option and mobile app make it simple to set up, optimize, and troubleshoot
- Tank-level sensors interface provide clear monitoring and well control
- Integration of Weatherford intelligent rod rotator validate proper rotator operation
- 8500 communication protocol for standard host communications
- Modbus RTU protocol supports data gathering and retrieval of surface and downhole dynamometer cards

## Tool Description

ForeSite EDGE<sup>C</sup> RPC gathers data from the well through surface load and position sensors and uses the MEJ calculation engine to calculate downhole data to determine pump fillage, pump intake pressure and fluid level for each stroke. In fixed-speed applications, this information is used to detect pump-off and minimize fluid pound by stopping the unit for a user-configured time, which helps to maintain the desired pump fillage for optimum production.

## Specifications

### Area Classification

Temperature Rating	-40 to 131°F (-40 to 55°C)
Dimensions (H×W×D)	17.12 × 15.8 × 7.8 in. (43.4 × 40.1 × 19.8 cm)

### Power Options

Main processor board	10 to 15 Vdc
Assembly power supply	100 to 240 Vac

### Display

- Touchscreen color HMI with data-logging

### Data Access

- Mobile app available for local and remote control. Available in iOS and Android with Wi-Fi adapter kit



ForeSite EDGE<sup>C</sup> RPC comes loaded with features that enable enhanced rod-pump production, extended uptime, and automated adjustments for changing reservoir conditions.



# ForeSite® EDGE<sup>C</sup> Rod Pump Controller (RPC)

## Specifications (continued)

I/O

Ethernet port	1
Serial ports	3
Analog inputs	2
Analog output	1
Digital inputs	2
Relay outputs	2
Turbine meter input	1
Expandability	6 analog inputs 6 digital inputs 6 digital outputs

## Connectivity and Control Features

- Serial and Ethernet interface to communicate with remote systems
- Three additional ports for scanning external Modbus devices
- Scanning capability of installed flow computers for easier data acquisition
- Advanced controls for gas-engine applications
- Direct connectivity with Weatherford intelligent rod rotator provides instant alarming for failed rotation
- SD memory card slot available to upgrade operating system and applications in flash file system
- Direct add-on for most variable-speed drives for enhanced pump-fillage calculation and pumping-unit control
- Interfacing capability with production tanks for overflow monitoring and alarming

## Mobile App (iOS and Android)

