



### Maximizing ESP performance remotely

SPECTRUM Vision is a flexible SCADA platform that allows remote monitoring and control for oil all wells produced via Electrical Submersible Pumps (ESP). Capturing signals directly from the well-site, data is transmitted via a number of telecommunications systems to a data center where Operators can securely review real time data on down-hole equipment and reservoir performance.

The SPECTRUM Vision system allows ESP Operators to monitor up to 40 parameters for multiple wells online. Automated reports and Alerts are automatically detected when operating conditions changes and notifications are immediately sent to the specified email account allowing for a prompt response. A customizable Graphical User Interface allows production data to be uploaded and with a variety of reports available, Operators are well equipped to make timely decisions.

### Designed for increased reservoir recovery & longer ESP run lives

The SPECTRUM Vision Remote Well Monitoring Solution provides Operators with real time information required to quickly respond to changing reservoir and ESP performance, maximizing both reservoir recovery and the run life of downhole equipment.

### APPLICATIONS

- Remote applications
- Challenging reservoirs
- Production Facilities
- Suitable for all AL systems
- Integration with HPS systems

### BENEFITS

- Enables ESP optimization & reduced power costs
- Minimize well down time
- Enables 24/7 remote monitoring
- Highly customizable web based application
- Easy field installation
- High resolution data secure against network outages
- High reliability hardware & software
- Allows ESP analysis to extend ESP run life
- Allows planned pulls in advance
- Purchase & lease options available for hardware
- Secure data storage option (Amazon Data Centre)
- Monitoring, storing & visualization of ESP data

### FEATURES

- Satellite, GPRS & Dual Systems
- Up to 5 years of data storage
- 24/7 technical support

## SPECIFICATIONS

<b>Dimensions</b>	40 cm x 40 cm x 15 cm (width, height, depth) Weight: 13.8kg
<b>Communication</b>	Satellite service: Two-way, global, IsatData Pro Frequency: Rx 1525.0 to 1559.0 MHz, Tx 1625.5 to 1660.5 Mhz GPRS frequencies: 850/900/1800/1900 MHz HSPA frequencies: 800/850/900/1900/2100 MHz DUAL SIM: 3.3V/1.8V SIM Local data backup secures the data in the case of network outage
<b>External interfaces</b>	Serial: 1 x RS-485, 1 x RS-232, 1 x RS-232 aux (IDP 782 Terminal only) Inputs/Outputs: 4 analog or digital in/out
<b>Electrical</b>	Solar panel model: Input voltage 13.5 to 22 V DC (panel not included) AC input model: Input voltage 110 to 240 V AC 50/60z Back up battery: from 7 Ah to 12 Ah at 12 V DC lead acid battery
<b>Environmental</b>	Operating temperature: -40°C to - 85°C
<b>Options</b>	Input energy: solar or AC Communication system: satellite; cellular; satellite – cellular (Dual)