

ekabel

Well-Dttek

Oil Well Permanent
Monitoring System



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Three components for a complete solution

Maximize production and gain full control of the field thanks to Well-Dttek technology: Permanent Monitoring Solutions, from E´kabel.

Our system is designed to generate a means of direct communication between the bottom of the well and Optimization Production Engineers. Well-Dttek offers precise and reliable data that contributes to correct decision making.

Our service scope includes installation support, training and technical assistance to guarantee optimal operation.

- Monitoring in Real Time
- Data recording and sending to the control room.
- On-site assistance (before, during and after installation).



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1. Monitoring

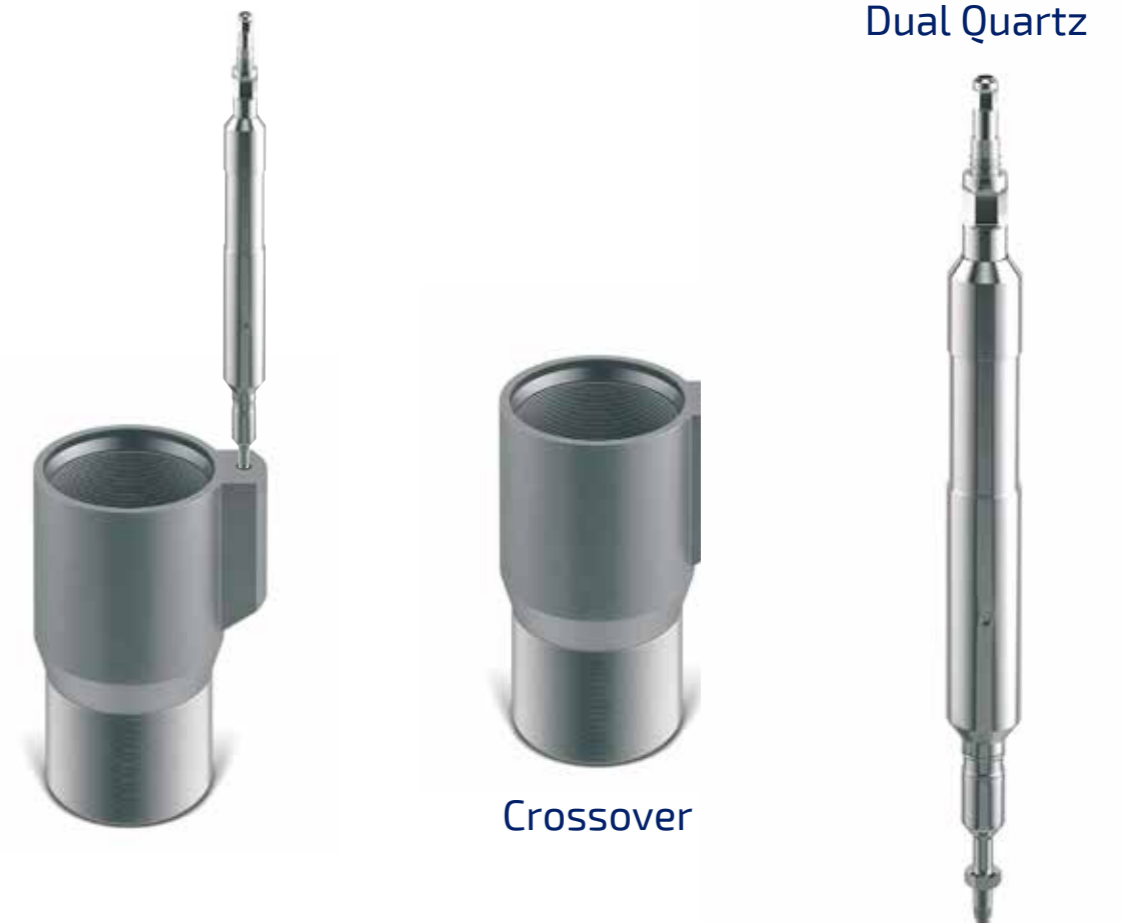
The measurement of key parameters of the well is done through **Well-Dttek's Downhole Sensors** that register Progressive Cavity Pump systems data. The equipment measures parameters such as pressure and temperature at the suction and discharge of the pump, as well as vibration on 3 axes (X, Y, Z). The measuring accuracy in each variable is achieved with piezoelectric sensors.

Advantages

- High precision and resolution of data measurement.
- Suitable for measurements in suction and discharge. Vibration measurement on all 3 available axes.
- Hermetically sealed; with double protection and metal-to-metal seal design.
- Corrosion resistant NACE MR0175.
- Sampling capacity per second (Configurable)
- Suitable for Build Up sampling.

7 Parameter measurement

1. Suction Pressure		5. X-Axis Vibration	
2. Suction Temperature		6. Y-Axis Vibration	
3. Discharge Pressure		7. Z-Axis Vibration	
4. Discharge Temperature			



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2. Data Registration

The information is only useful if it is recorded and then analyzed. This is what Well-Dttek's Datalogger, the perfect complement to interact directly with downhole sensors.

The system can be used to quickly and efficiently extract and record data in real time. Allows connection to the SCADA system through the suggested communication protocol (TCP-IP/RS-485/RS-232/Wi-Fi).

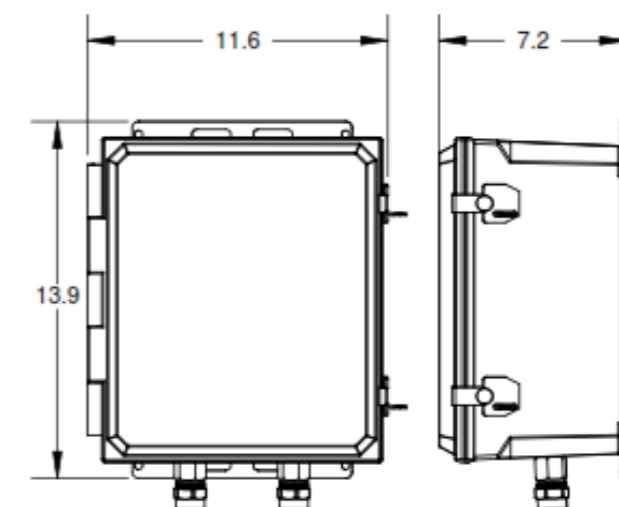
Customized configuration

The design of our equipment is based on the conditions of each field. We can customize unique features such as connection for sending data from variable frequency drives or data extraction from one or more sensors. All these features can be adapted according to required final configuration of the product and special field conditions.

Advantages

- Digital Touch-Screen 8 inch to visualize and compare data from different wells.
- Pass-through protocol for connection to frequency converters or other equipment.
- Data download via USB/Wi-Fi.
- Configurable graphs of measurement parameters.
- UL 1449 600V and UL 96 approved transient protection.
- It allows the connection of up to 24 sensors.
- Degree of Protection IP 66 and NEMA 4X.

Well-Dttek Datalogger



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3. Field Assistance

Installation, maintenance and training are part of our complete customer support service.

We take care of the implementation of the solution on the Oil field and at software level.

In addition, we have specialized and trained engineers to guide on the usage of each of the components of the solution and empower customers with knowledge and tool's comprehension.

Advantages

- Product delivery on the Oilfield.
- Complete installation and start-up service.
- Periodic maintenance, if required.
- Training in the use of each part of the solution.
- Availability of specialized engineers for consultations.
- Ekabel's warranty.



About Us

We are a team of action-oriented professionals with a vision of future and progress.

We are passionate about designing solutions that meet the needs of our customers.

Our Offices

Our offices are located in Latin America, United States, Australia, and Spain, E'kabel has consolidated its rapid expansion process through our participation in important and challenging projects.

Our Job

Based on expert knowledge, we design and integrate electrical, telecommunications and automation systems that optimize results for our clients and protect their most valuable assets.





360 ° Integration

When it comes to energy and telecommunications projects, we have what you need.

Our wide range of products and the ability to integrate them into a solution represent the cornerstone of our service.

Logistics Without Borders

Our expedited logistics process aligns with the requirement of our customers to meet their expectations. It is an emblematic part of the E'kabel service.

Knowledge Center

We have high-level engineers from different parts of the world who accumulate vast experience in the industries we serve.

Global Service Team

They are our experts dedicated exclusively to advise you.

Technology Transfers

Specific training on the most updated topics.

Flexibility

We adapt to your needs. Our geographical expansion and a large number of projects allow us to offer competitive advantages in both large and small projects.





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