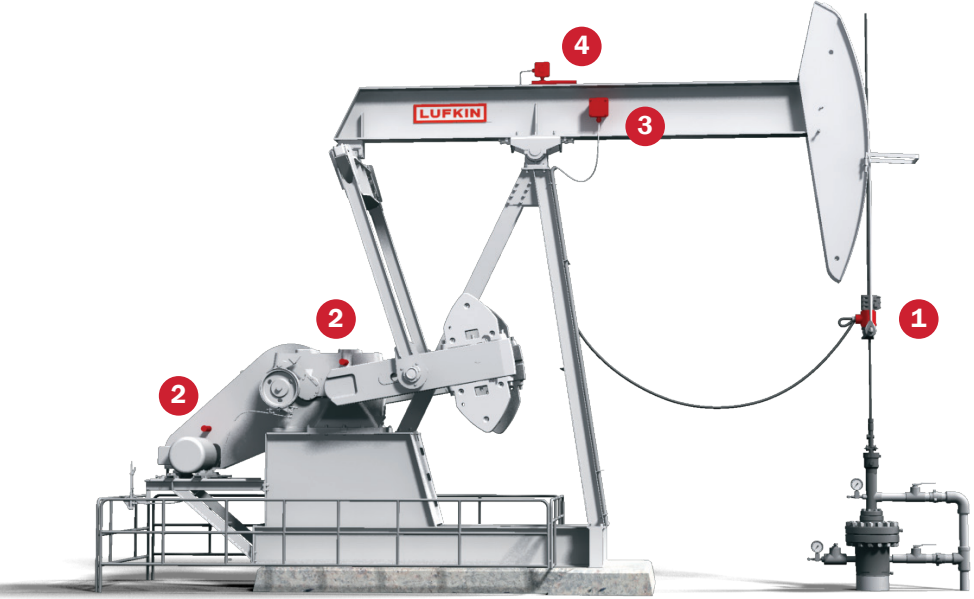


# Rod Pump Control Transducers

for use with Lufkin Well Manager™ and others



Lufkin Automation offers RPC transducers for all the different pumping unit types. The transducer selection allows the user to choose the accuracy of the system and consider the long-term maintenance requirements. Each transducer is designed to interface with Lufkin RPCs and is manufactured to Lufkin's quality standards.



**1 Load Cell**

- Rated capacity: 30K or 50K pounds (specify)
- Overload rating without damage: 200% rated capacity
- Weight: 8.5 pounds
- Output (mV/V): 2.0 ±1%
- Operating temperature range: -40°F to 175°F
- Transient voltage protection: MOV to case
- Factory calibrated



**2 Motor and Crank Hall Effect Transducers**

- Unipolar hall effect switch
- Magnets mounted on crank arm and motor shaft
- Input voltage range: 4.5 to 24 Vdc
- Output open collector: sink 25 mA max
- Typical sensitivity: 350 gauss
- Operating temperature range: -40°C to 85°C



**Lufkin Well Manager System**

**3 Inclinometer**

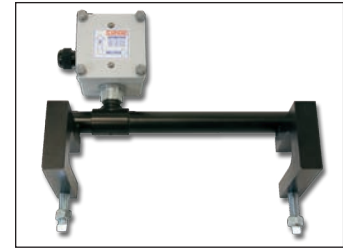
Ratiometric electronic dynamometer  
 Supply voltage range: 5–16 Vdc  
 Supply current: 3 milliamps  
 Output: 30 mV/degree  
 Linear range:  $\pm 45$  degrees

**4 101TL Weld-Mounted (Left) and Clamp-On (Right) Transducer****Beam Transducer**

Wheatstone bridge circuit  
 Gauge section thickness: 0.030 in.  
 Input impedance: 350 ohm/263 ohm  
 Input voltage range: 5–10 Vdc  
 Output with 8 Vdc excitation (per installation)  
 Offset range: 0.32 to 32 mVdc  
 Sensitivity: 2 mV/V increase with axial pull change from 500 to 1000 lb  
 Weld mount to top of walking beam  
 Field calibration required

**Clamp-On Beam Transducer**

Specs same as weld-mounted beam transducer  
 Clamp-on mount to edge of walking beam flange

**Load Cell Cable Options****Molded****Coiled****Armored****Break Away****Contact Lufkin Automation****E-mail: [automation@lufkin.com](mailto:automation@lufkin.com)****Automation Headquarters**

811 Willow Oak Drive  
 Missouri City, Texas 77489

**(281) 495-1100**

Fax: (281) 495-6333

E-mail [automation@lufkin.com](mailto:automation@lufkin.com) for additional  
 locations and information.