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.

**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

**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
Inclinometer
Ratiometric electronic dynometer
Supply voltage range: 5–16 Vdc
Supply current: 3 milliamps
Output: 30 mV/degree
Linear range: ±45 degrees

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

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