

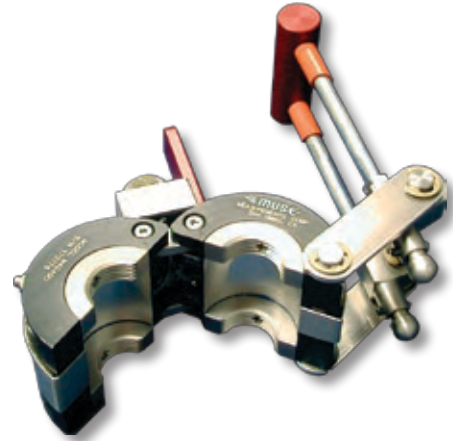


Weatherford®

Production Optimization

Qualitative Clamp-on Load Transducer

The qualitative clamp-on transducer from Weatherford is a precision, polished-rod, load-detection device that uses the latest sensor technology to accurately measure smaller changes in rod loads than other devices. The cost-effective transducer can fit all rod sizes, eliminating the need for separate transducers for each rod size. Users can quickly fine-tune the device to variations in rod diameter by adjusting the ball seat. The transducer is available with industry-standard connectors.



Features, Advantages and Benefits

- Fast hand-operated clamping action enables easy, tool-free installation, reducing installation time.
- The universal adapter kit allows the transducer to fit all rod sizes, making the device a cost-effective solution for rod pump controller (RPC) systems.
- High sensitivity to changes in load weight provides a more detailed dynamometer card, enabling accurate rod pump analysis.
- Durable construction with precision stainless steel moving parts provides reliable operation.
- Thermal correction provides excellent stability in extreme environments, allowing the device to operate properly in harsh oilfield conditions.



Qualitative Clamp-on Load Transducer

Specifications

Part numbers	PC8500-587-00, JDE 733766
Capacities	Cell is a transducer and handles very little direct load
Full scale output (mV/V)	1.0 - 2.0
Safe overload	Cell is compression positive
Overload stoops	None
Rated excitation (VDC)	10
Bridge resistance	700 R _{in} , 700 R _{out}
Zero balance (full scale)	1%
Creep (fso* in 20 minutes)	0.01%
Linearity	0.03%
Hysteresis	0.05%
Compensated temperature range (°F/°C)	-40° to 180° -40° to 82°
Thermo zero shift (full scale/F)	0.0040%
Thermo sensitivity shift (full scale/F)	0.0030%
Insulation breakdown (meg ohms at 50 VDC)	1,000
One transducer fits all rod sizes (in.)	1-1/8, 1-1/4, 1-1/2

* full-scale output