



Oilfield Inclinometer

The oilfield inclinometer from Weatherford is a rugged transducer that accurately measures the horizontal and vertical inclination of a walking beam. The inclinometer easily clamps to the walking beam without cumbersome linkage or adjustment, allowing it to be used as a direct replacement for potentiometers. The inclinometer is maintenance-free and enclosed in a NEMA-type enclosure for protection, making it rugged and economical with ten times the life expectancy of a potentiometer. The unit is specially manufactured for oilfield use and it is resistant to vibration caused by mechanically imperfect pumping units—a common problem for inclinometers. Lightning protection is a standard feature.

The oilfield inclinometer is compatible with all rod pump controller (RPC) systems.



Features, Advantages and Benefits

- The clamp-on feature makes the inclinometer easy to install, enabling it to be used as a direct replacement for potentiometers.
- The frictionless operation of the inclinometer makes it maintenance-free, thereby eliminating the maintenance costs incurred by using a potentiometer.
- The inclinometer's rugged construction makes it resistant to pumping-unit vibration, providing ten times the life expectancy of a potentiometer.
- The environmentally sealed enclosure protects the device against severe weather conditions, enabling it to be used in harsh oilfield conditions.
- Lightning suppression provides investment protection against high-voltage current surges.

Specifications

Part number*	PC8500-610-02
Temperature range (°F/°C)	-58 to 194 -50 to 90
Full scale accuracy	0.3%
Cycles rating	50 million
Exceeds Mil Spec W-168 78/10	

*Inclinometer with 50 ft of shielded 3-conductor polyjacketed buriable cable