

Joint lever transmitter TS-KNG

Fluid level measurement, i.e. for gear box assemblies



TS-KNG standard



TS-KNG high-temperature type

Joint lever captures almost 180° deflection or parts of angle.

Description

- High level measuring accuracy
- Joint lever capable of almost 180° measuring deflection
- Suitable for measurement in pressurized holding tanks
- Simultaneous switching and measuring
- Output linear to filling level or fill quantity
- Suitable also for viscous liquids
- Flange design allows fast installation and removal
- Vertical operation suitable
- Compact and rugged design

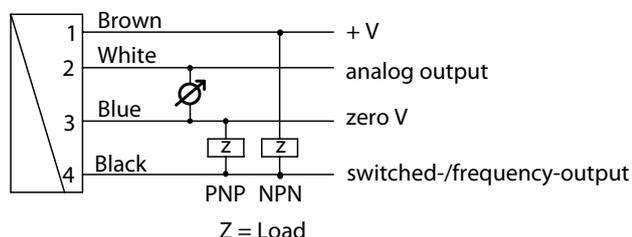
Function

A swivel-mount magnet is attached to the lightweight joint lever with its floater. Fluid level differentials cause corresponding joint lever deflection. Magnet rotation is detected by an analog hall-sensor and altered to a standardized signal by microcontroller. The fluid level allocation can be set independently and is output by a 4..20 mA or 0..10V or a frequency signal. Switchpoint programming to recent liquid level(s) is done by usage of a small magnet bit and displayed by LED

Operation

The articulated arm encoder is supplied factory adjusted to customer specifications (please see type code). Apart from that the switchpoint can be also adjusted by using the magnet bit. Mounting above the liquid level prevents swivel wetting which provides a long-lasting operation also with viscous liquids. Top mounting in a holding tank cap is also an option, here special attention for free moving space for joint lever arm must be obeyed. Software and USB adaptor for self programming are available upon request.

Electrical connection



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