



GENERAL

The INPUD-T System is an intelligent system for the continuous transfer of power and up to 4 PT100 transducer signals, from rotating part across a small air gap, without contact, to a stationary unit. A firm wiring is carried out to a PLC or other control electronics. The INPUD inductive coupling system consists of a ring, a coupling head with the stationary electronics integrated. To induce power and transfer data, install the coupling head within a few mm of the ring and supply the stationary module with 24Vdc. After a few milliseconds, high signal integrity serial data is transferred across the air gap. The measured temperature values are scaled over a 0..300° temperature range and output as a temperature proportional linear 4..20mA or 0..10V analog signal. Temperature range can be adapted to customers needs. The INPUD-T System is suitable for almost every application as the temperature data is continuously transmitted, independent of the systems rotational direction, speed or orientation.

There are no moving parts or mechanical contact to wear out or service.

APPLICATIONS

- Test stands
- Horizontal flow wrapping machines
- Machine building
- Process technic / Plant engineering

FEATURES

- 24VDC Power supply for preparation of PT100/thermal couple signals
- Up to 4 independent channels
- Reverse polarity protected
- Low data error rate
- 12 bit signal resolution
- Axial and radial housing shape
- Signal linearisation

BENEFITS

- Rugged against mechanical stress and thermal pollution
- Simple and fast installation
- Linear output signal (4..20mA, 0..10V)
- No moving parts to wear out or maintain
- Protection rating IP65 (IP67 option)
- 4..20mA current interface or 0..10V voltage output
- LED indicates operating status
- Quick amortization by very low machine break down

