

# CT 300.18

## Pressure transducer for CT 300.05



1 pressure transducer, 2 adapter, 3 connecting cable

### Description

■ **pressure measurement in the combustion chamber of an engine using a micro pressure transducer**

The pressure transducer is connected to the measuring amplifier in the CT 300.09 electronic indication system.

For experiments using cylinder pressure indication on the CT 300.05 test engine, the engine is fitted with a micro pressure transducer. The pressure transducer is directly exposed to the combustion chamber pressure. The core component of the pressure transducer is a heat resistant piezo-electric quartz crystal, which outputs a charge signal proportional to the pressure.

### Learning objectives/experiments

- cylinder pressure measurements on internal combustion engines

### Specification

- [1] quartz pressure transducer
- [2] only to be used with CT 300.09 and CT 300.05

### Technical data

- Pressure transducer
- measuring range: 0...100bar
  - max. operating temperature: 200°C
  - max. allowable pressure: 250bar

Weight: approx. 2kg

### Scope of delivery

- 1 pressure transducer
- 1 adapter
- 1 connecting cable
- 1 manual

# CT 300.18

## Pressure transducer for CT 300.05

### Required accessories

CT 300	Engine test stand, 11kW
CT 300.09	Electronic engine indicating system for CT 300
CT 300.05	Two-cylinder diesel engine for CT 300