

CT 100.16

Pressure transducer for CT 100.22



1 pressure transducer, 2 connecting cable, 3 adapter

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 100.13 electronic indication system.

For experiments using cylinder pressure indication on the CT 100.22 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 100.13 and CT 100.22

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 set of tools
- 1 connecting cable
- 1 manual

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Required accessories

CT 110	Test stand for single-cylinder engines, 7,5kW
CT 100.13	Electronic engine indicating system for CT 110
CT 100.22	Four-stroke diesel engine for CT 110