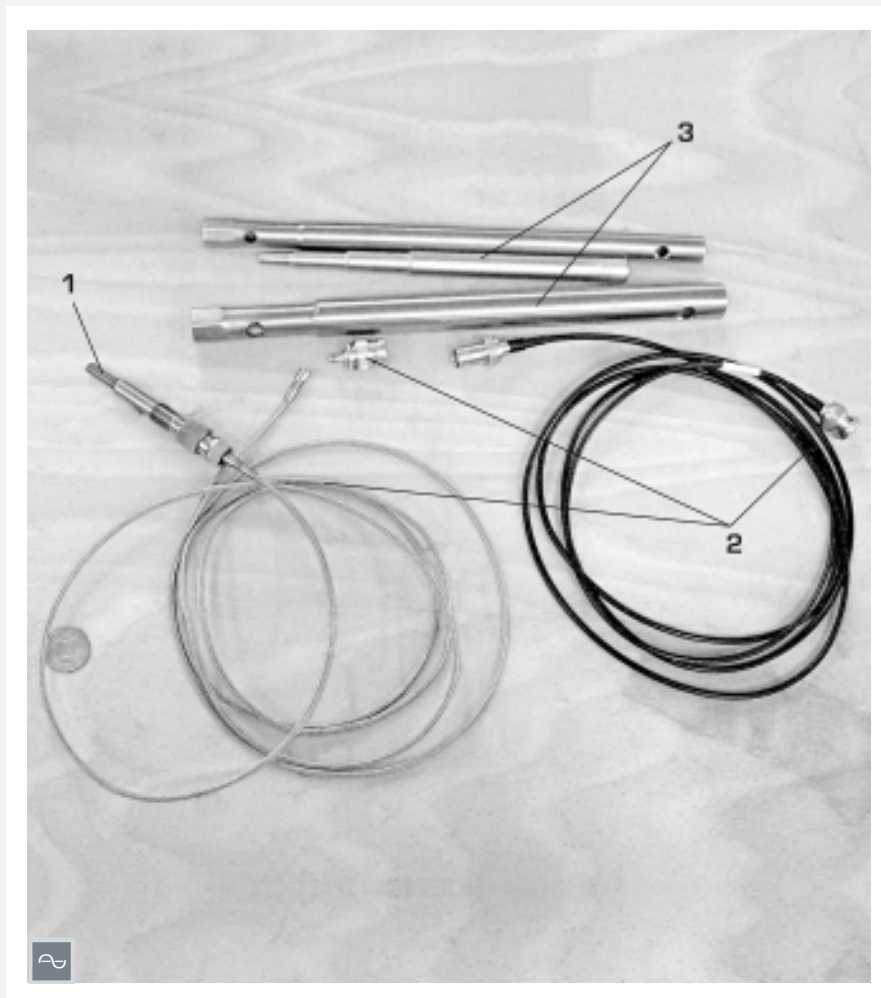


# CT 159.04

## Pressure transducer and TDC sensor for CT 151



The illustration shows a similar pressure transducer: 1 pressure transducer, 2 pressure transducer measuring lead with extension, 3 assembly aid

### 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 159.01 electronic indication system.

For experiments using cylinder pressure indication on the CT 151 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 159.01 and CT 151

### Technical data

- Pressure transducer
- measuring range: 0...100bar
  - max. operating temperature: 200°C
  - max. allowable pressure: 250bar
  - weight: 1,7g

Weight: approx. 1kg

### Scope of delivery

- 1 pressure transducer
- 1 assembly aid
- 1 connecting cable
- 1 manual

# CT 159.04

## Pressure transducer and TDC sensor for CT 151

### Required accessories

063.15900	CT 159	Modular test stand for single-cylinder engines, 2,2kW
063.15100	CT 151	Four-stroke diesel engine for CT 159
063.15901	CT 159.01	Electronic engine indicating system for CT 159