

TRANSDUCERS

Force Transducers (Isometric)

Suitable for measurements of short contractions, under conditions of constant force



TRI 201

High performance

- Range: 5 mg to 25 g
- Resolution: 2 mg
- Displacement: +/- 0.45 mm
- Sensitivity (full range): 30 mv/V
- Excitation: 5 - 10 V AC/DC
- Element Resistance: full bridge 360 W

TRI 202P - TRI 203P

Very high sensitivity, suitable for measurement of very small forces

- Range: TRI 202: 0 mg to 25 g (TRI 203P: up to 50 g)
- Resolution: Infinite
- Displacement: +/- 0.03 mm
- Sensitivity (full range): 100 mv/V
- Excitation: 5 - 10 V DC
- Element Resistance: full bridge 720 W



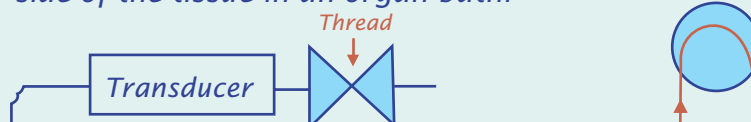
TRI 210

Teaching force transducer

- Range: 10 mg to 25 g
- Resolution: 5 mg
- Displacement: +/- 0.50 mm
- Sensitivity (full range): 20 mv/V
- Excitation: 5 - 10 V AC/DC
- Element Resistance: full bridge 360 W

Fixing System:

The transducers are equipped with an easy and quick fixing system for the thread that tightens upper side of the tissue in an organ bath:



Isotonic Transducer

Suitable for measurement of displacements with preadjusted loads



TRO 015

- Range: 5 mg to 5 g
- Resolution: 5 mg
- Displacement: +/- 15° (48 mm)
- Sensitivity (full range): 300 mV
- Excitation: 5 - 10 V DC
- Element Resistance: 1000 W
- Counterweight graduation: Five 1g divisions with 250 mg subdivisions

Blood Pressure

Suitable for measuring arterial and venous blood pressure **ONLY** in animals (mice included)

TRA 021 Reusable

- Work range: -50 to 300mmHg
- Sensitivity: 4 μ V/V/mmHg
- Bridge Resistance: 350 W
- Excitation Voltage: 5 - 10 V DC
- Volume displacement: 0.05 mm³ /100mmHg
- Total Volume: 0.25 ml
- Weight: 85g
- Size: 18 x 24 x 74 mm



TRA 023 Disposable

- Work range: -50 to 300mmHg
- Sensitivity: 5 μ V/V/mmHg
- Excitation Voltage: 2 - 5 V DC
- Operating Life: > 500 hours

The Transducers are supplied with measure/calibration certificates, according internacional standards.