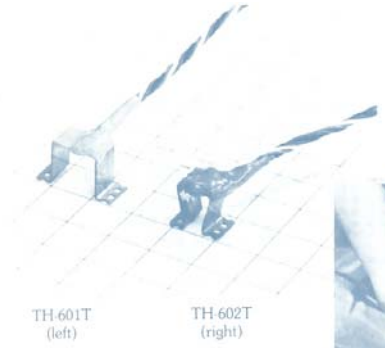
CARDIOMUSCULAR TRANSDUCERS

Cardiomuscular Tension Transducers models TH-601T/TH-602T (small size)
Cardiomuscular Displacement Transducers models TH-611T/TH-612T (small size)

Designed for Use in Pharmacological or Physiological Field.

These transducers are used principally in the field of pharmacology or physiology to study the effect of drugs on the myocardial contractile force or the displacement of an experimental animal's beating heart under direct observation.

As an example, the leg of a transducer is sutured to the wall of the heart, left or right ventricle, to make a qualitative measurement.
the transducer consists of a metal frame made of a phosphor bronze-plate on which a 4-arm foil strain gage bridge is bonded. The strain gages are coated with a flexible dielectric material impervious to moisture and water contact for more than 8 hours of continuous use. The transducers is considered to be a disposable item.



TH-601T (left) TH-602T (right)

SAMPLE SYSTEM COMPOSITION

Cardio-muscular Transducer → Carrier Amplifier AP-601G/ AP-621G → Recorder/ Monitor Oscilloscope

Application to an experimental animal.

A variable-distance version of the tension transducer, TH-601T is available as a TH-603T.

ORDERING INFORMATION

1) Name and model of transducer(s).
2) Model of the carrier amplifier to be combined.

SPECIFICATIONS

Transducers Available / Specifications:	Cardiomuscular Tension Transducer		Cardiomuscular Displacement Transducer	
	TH-601T	TH-602T	TH-611T	TH-612T
1) Full Scale	200gf		2mm	
2) Compliance	0.4mm/100gf, ±20%		0.9mm/100gf%	
3) Sensitivity (transducer only):	1.2 (mV/V)/FS		1.2 (mV/V)/FS	
4) Non-linearity:	2% full scale, or better		2% full scale, or better	
5) Hysteresis:	2% full scale, or better		2% full scale, or better	
6) Drift:	1% full scale/°C, or better		1% full scale/°C, or better	
7) Strain Gage Resistance:	120 ohms		120 ohms	
8) Configuration of Strain Receiving Frame