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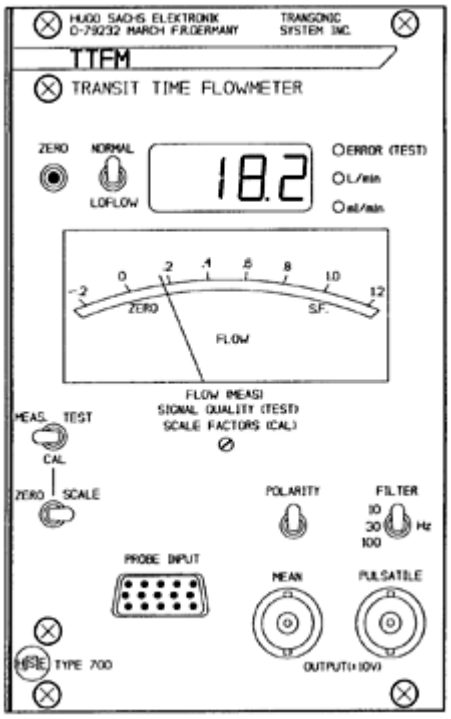
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Find the *Harvard Apparatus / Hugo Sachs TTFM* at our website: ***Click HERE***



Transit Time Flowmeter Module type 700

The HSE-TRANSONIC Transit Time Flowmeter (TTFM) is an ultrasonic flowmeter for animal research.
It is a coproduction of Hugo Sachs Elektronik and Transonic System Inc., USA and incorporates a complete one channel TRANSONIC ultrasonic transit time flowmeter. It can be used either with inline flow probes or perivascular probes.
An extensive selection of probes for vessel diameters from 0.25 to 36mm are available for chronic and acute studies. The extracorporal inline-probes, ideal for isolated organ preparations, are available in sizes from 1.2 to 22.2 mm.
The module features a built-in digital display for direct reading of mean flow and an analog instrument to show flow, signal quality and scale factors. The TTFM has mean and pulsatile outputs for recording, both can be used simultaneously.

Description

Digital Display	shows average flow rate in ml/min or l/min
Analog Display	for monitoring analog flow, quality of the ultrasound signal and scale factors. Analog Display shows also Flow signal in MEAS. mode, signal quality in TEST mode and scale factors in CAL mode
NORMAL/LOFLOW	low flow scale selection for increased sensitivity (x4) on low flows
ZERO	performs an automatic zero adjustment
MEAS/CAL/TEST	switch to select the three modes MEASURE/CALIBRATION/TEST
ZERO/SCALE	allows to adjust the zero value and to read in the scale factor of the connected probe
POLARITY	Inverts the output flow signal in the case a flow probe was mounted in the wrong direction
FILTER	three filter positions 100/30/10 Hz for smoothing the PULSATILE OUTPUT, 0.1 Hz fixed for MEAN OUTPUT
BNC OUTPUTS	pulsatile and mean analog flow signals can be recorded from the corresponding BNC socket on the frontpanel
INTERNAL OUTPUTS	pulsatile and mean analog flow signals are also available on the PLUGSYS system bus
SYNCHRONIZATION	for applications with two or more TTFM modules a synchronization output or input can be connected on the PLUGSYS bus, a selector on the unit selects master or slave mode
Power supply	5V/600mA, through connector from PLUGSYS bus system
Dimensions	module for PLUGSYS system, width 16E (80.8 mm), height 3U (128.7 mm), depth Europe size (220 mm)
Connector	DIN 41612, 96-pin VG
Weight	800 g

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