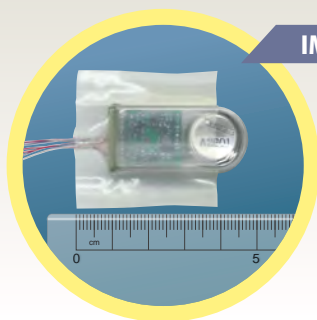


## 3ch Transmitter



### IMT-30F (Force Transducer Applicable)

Maximum Duration for Continuous Operation: approximately 40 days

- Activation / deactivation of the transmitter can be performed by external operation using a magnet, allowing efficient consumption of the batteries, which enable the data to be recorded continuously for up to 40 days.
- Replacement of the batteries can certainly be done as housing of the transmitter is made of glass.
- With sampling of 10Hz (100ms), the digestive tract motility can be precisely recorded.

Weight	13g
Dimension	38W x 16D x 8H mm
Range of Transmission	40cm from a receiver
Method of Transmission	FSK (Frequency Shift Keying)
Sampling frequency	10 Hz
Current Consumption	100 $\mu$ A
RF frequency	Band A: 1710KHz $\pm$ 5Hz Band B: 1914KHz $\pm$ 5Hz
Transmission Rate	32.2kbps
Life of Battery	40 days
Power on/off	Performed by External Magnetic
Sensor Resistance	350 $\Omega$ half bridge
Sensor Balancing (Zero Calibration)	Automatically performed when power is supplied
	Minute adjustment can be performed by BALANCE control on the front of the receiver.

## 3ch Receiver

### IMT-30RA

BALANCE enables zero adjustment of bridge output voltage

GAIN  
 $\times 0.25$   
 $\times 1$   
 $\times 4$



FINE : Turning the dial, minute adjustment of GAIN can be performed, with range of  $\times 1 - \times 4$ .

Radio Wave Tuning Control (Rear Panel)

Switching radio wave to receive, types of transmission are selected corresponding to band-type A/B, which prevents radio wave from mutual interference.

Power input via AC adaptor

Analog Output (Max 10V)

Checking signals for the device

- Respective Specifications of 3 Channels
- 1 Balancing (Minute Adjustment)
- 2 GAIN  $\times 0.25$ ,  $\times 1$ ,  $\times 4$
- 3 Fine  $\times 1 - \times 4$  consecutive minute adjustment

Dimension	250W x 350D x 76H mm
Weight	3 kg
Power Source	AC adaptor / 100V.AC
Current Consumption	32mA
Output Voltage	analog voltage Max 10V, 8P Modular Jack

## Shield Box

- To avoid interference of circumstantial radio wave, use the shield box.



Dimension : 250W x 350D x 76H mm  
Material : SUS904 100 Mesh

## Force Transducers

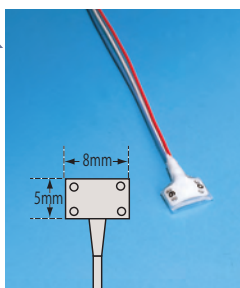
### F-08IS (For Rats' Stomach)

- External Dimension W8 x D5mm
- Applicable for organs of medium-sized animals, such as cats, rabbits, monkeys, and rats' stomach.

F-08IS (W8 x D5mm) HB

F-08ISH with strengthen cable HB

Half Bridge 350 $\Omega$



### F-04IS (For Rats' Colon)

- External Dimension W5 x D3mm
- Applicable mainly for rats' duodenum and colon, also can be applied for measurements of other tiny organs.

F-04IS (W5 x D3mm) HB

Half Bridge 350 $\Omega$

