

# 3-channel Measurement System for Digestive Tract Motility Model IMT-3000

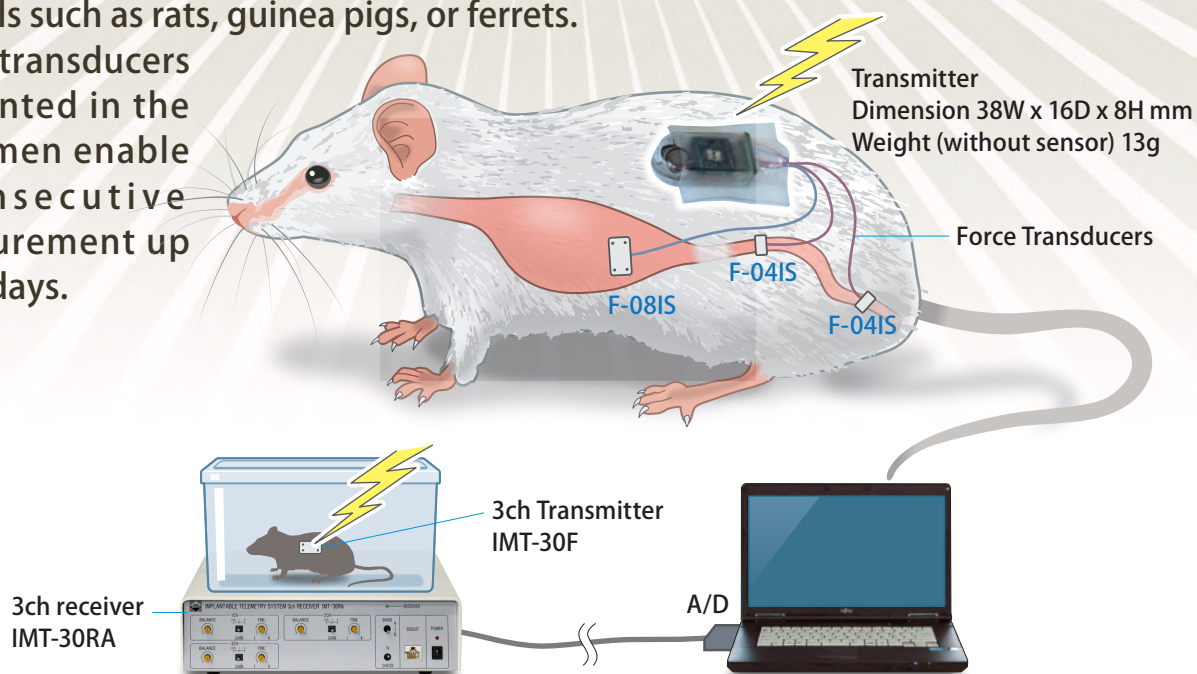
For small animals: rats, guinea pigs, and ferrets.

Our 3-channel measurement system, IMT-3000, enables a long-term consecutive measurement using an implantable force transducer, without any anesthesia or physical restriction.

The force transducer fixed to the serous membrane side of gastric parietal converts contractile force generated by the circular muscle into an electric digital signal and transmits data to its receiver via radio signals.

The transmitting range of our compact, 13 g transmitter is 40 cm, and it suits small animals such as rats, guinea pigs, or ferrets.

Force transducers implanted in the abdomen enable a consecutive measurement up to 90 days.



FSK (Frequency Shift Keying) method for radio communication enables stable communication, and it allows certain reception wherever rats are in the cage, with its communication range of 40 cm.

## 3 Transmission Channels System for Digestive Tract Motility Model IMT-3000

### Components

3ch transmitter	IMT30F
3ch receiver	IMT-30RA
Incorporated Software	Star.exe (A/D card attached)
Analysis Software	Anorect II
Laptop PC	

Options :	Power Source Shield Box(reduces radio interference)
	Force Transducers



**STAR MEDICAL, INC.**

5F Taiyo-Building 5-14-12 Nishinippori Arakawa-ku Tokyo 116-0013 Japan TEL:+81-3-5604-1641 FAX:+81-3-5604-1645  
E-mail:starmedical@starmedical.co.jp <http://www.starmedical.co.jp>