



FIAB SpA is an Italian Company, manufacturing and marketing worldwide devices and accessories for temporary cardiac stimulation and electrophysiology. Leader manufacturer of esophageal cardiac stimulation devices, since 2005 FIAB has developed and patented a system for the esophageal temperature monitoring during AF ablation procedures.



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ESOTEST MULTI

REAL-TIME ESOPHAGEAL
TEMPERATURE MONITORING



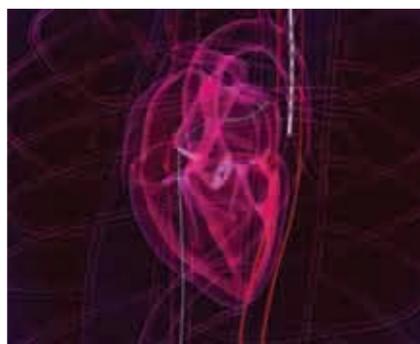
ESOTEST Esophageal Temperature Monitoring

Esophageal thermal damage may occur in patients undergoing left atrial ablation procedures and can later degenerate into a rare (0.1%) but fatal events (atrial esophageal fistulae). A correct monitoring of the esophageal temperature can help in preventing lesions of thermal origin.

Esotest MULTI, with its seven olive shaped electrodes, provides cost effective multi-pole luminal esophageal temperature monitoring during RF and Cryo ablation procedure. The multi-thermocouple design allows a rapid response (below 1s) to temperature variation with a precision of 0.3°C



Esotest allows real time monitoring of luminal esophageal temperature and of its variation in the range -15° to 75° during RF or Cryo procedures, providing critical information necessary to adjust the procedure parameters as needed. The seven sensors cover the whole critical esophagean segment running close to the left atrium avoiding the necessity of repositioning the probe.



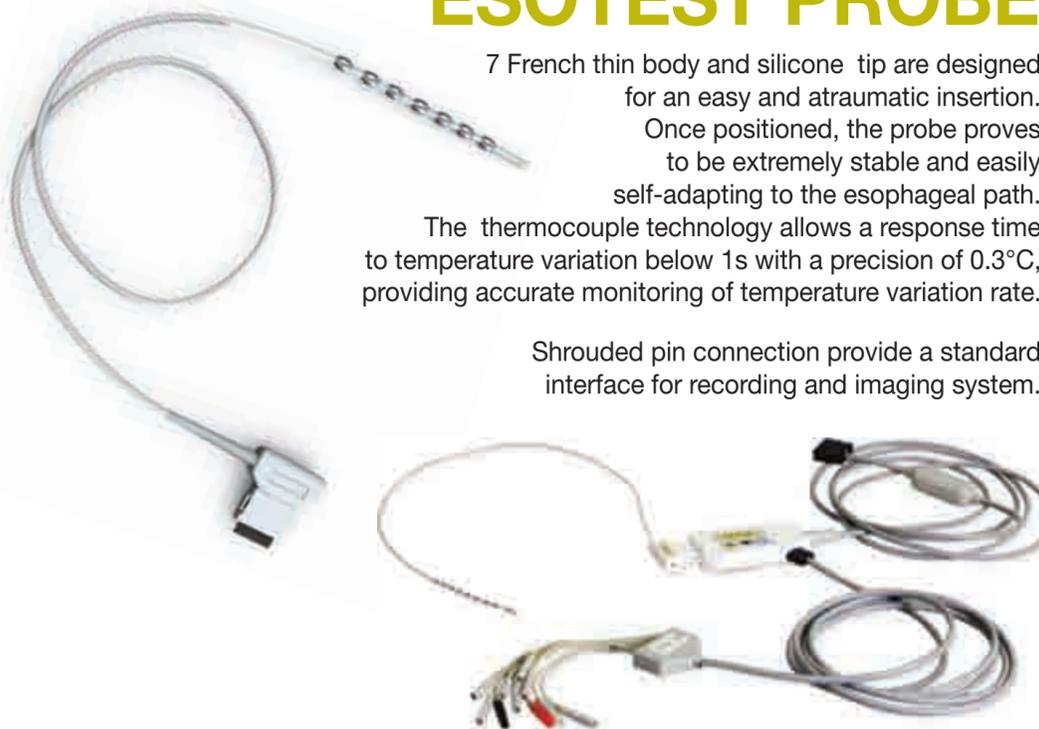
ESOTEST is connectable to 3D imaging systems

ESOTEST PROBE

7 French thin body and silicone tip are designed for an easy and atraumatic insertion. Once positioned, the probe proves to be extremely stable and easily self-adapting to the esophageal path.

The thermocouple technology allows a response time to temperature variation below 1s with a precision of 0.3°C, providing accurate monitoring of temperature variation rate.

Shrouded pin connection provide a standard interface for recording and imaging system.



ESOTEST MONITOR

A Touch Screen monitor provides an easy continuous visualization of the detected temperature values and of their evolution with an accuracy of 0.3° in the range -15° to 75°. Measured data are saved in the internal memory and can be exported through an USB port. A digital and analogical video output allows to duplicate the screen on other monitor.

Programmable visual and audible alarms alert physician when esophageal temperature reaches a preset high or low threshold. More alarms signal when the esophageal catheter is not correctly positioned as well as rapid and potentially dangerous temperature variation rates.



ESOTEST MULTI Esophageal Temperature Monitoring System

7 electrodes for a multi level esophageal temperature monitoring

Atraumatic insertion and stable position

Accurate and rapid response to temperature variation in the range -15° to 75°

Detection of the temperature variation rate

Connectable to 3D imaging systems

Recommended Readings

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