

When accuracy and ease of use matter, Hummingbird is your ONLY choice.

Hummingbird delivers a unique approach to advanced neuromonitoring by offering:

- The **only in-vivo parenchymal monitoring** sensor that can be **rezeroed in-situ** with **zero drift.**
- The most accurate parenchymal ICP measurement¹, independent of patient positioning.
- Drainage system with **Multimodal Monitoring through a single access point**, providing parenchymal ICP measurement, CSF drainage and two additional brain probes via one bolt.
- Easy-to-use ICP control module seamlessly transmits ICP reading to the patient monitor.



Hummingbird Solo ICP Monitoring



Hummingbird Quad ICP Monitoring with Drainage



Hummingbird ICP Control Module

The only ICP monitor with ZERO DRIFT

Only Hummingbird ICP monitoring technology demonstrated zero clinically relevant drift when compared to other leading competitors.

ICP Monitoring Device	Drift	
Integra® Camino® Flex Ventricular Bolt Pressure Monitoring Kit²	± 2 mmHg per 24-hour period ± 1 mmHg per day after initial 24-hours	
Codman ICP Express and Microsensor ³	± 5 mmHg over 30 days	
IRRAS Hummingbird SynergyDuo Ventricular	± 0.15 mmHg over the entire course of treatment ⁴	

HUMMINGBIRD ORDERING INFORMATION

	Product #	Product Name	Product Description
	HUMMINGB	SIRD BOLT-BASED MONITORING SYSTEM	
	H110	Hummingbird Solo ICP Monitoring	Bolt-Based system that combines both access and parenchymal ICP measurement.
	HUMMINGBIRD MULTIMODAL MONITORING SYSTEM		
	H610	Hummingbird Quad ICP Monitoring with Drainage	Multimodal Monitoring system that combines access through a single twist-drill hole, providing CSF drainage,
			parenchymal ICP monitoring, and your choice of two probes.
	HUMMINGBIRD ICP CONTROL MODULE		
	HICP200	Hummingbird ICP Control Module	Control module that transmits needed ICP data from Hummingbird catheter to patient monitor.

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- 1. Internal data on file with IRRAS
- 2. Integra® 110-4HM: Camino® Micro Ventricular Bolt Pressure Monitoring Kit IFU
- 3. Codman Microsensor Basic Kit FDA 510(k) Notification
- 4. System recalibrates automatically in-situ