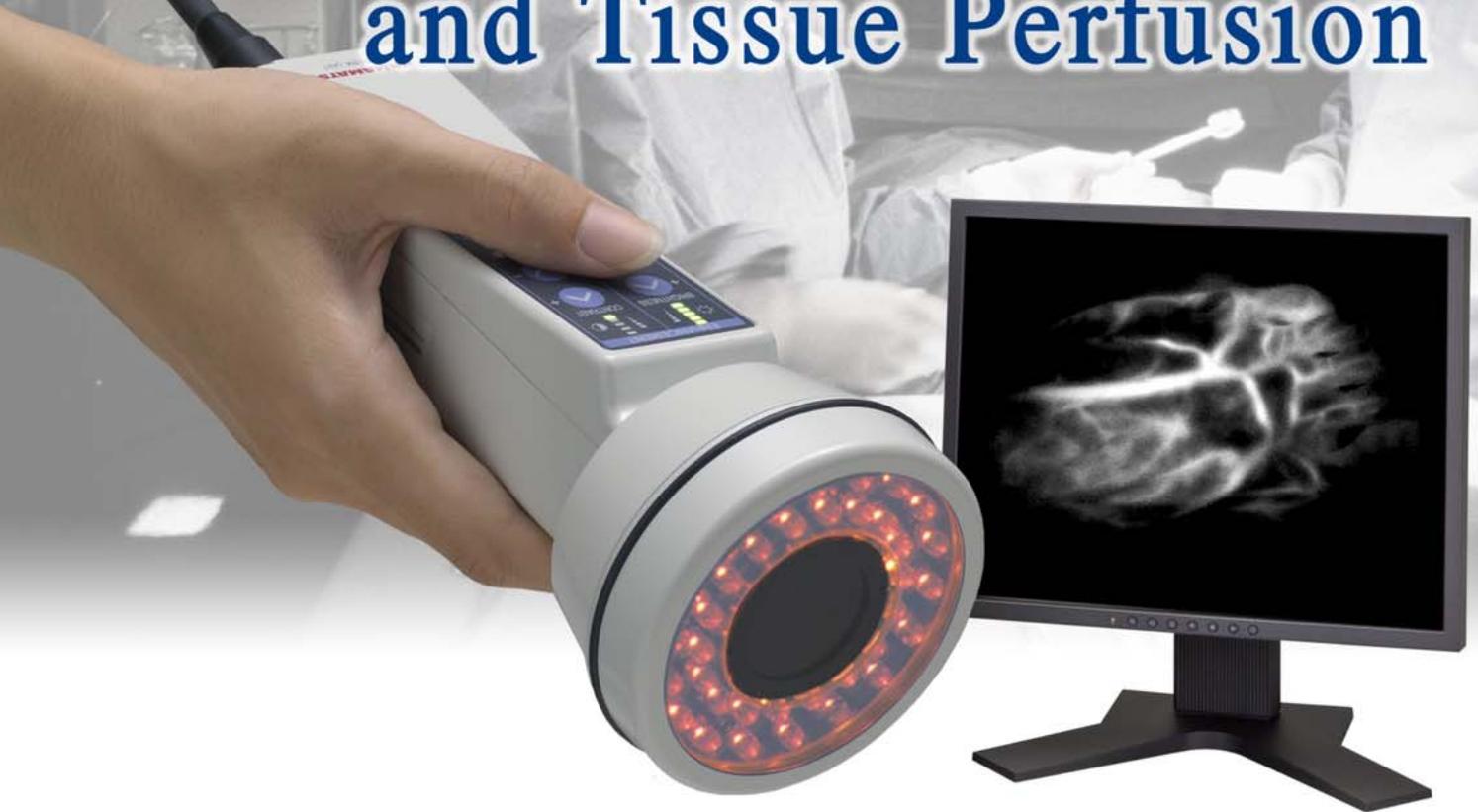


Visualize Blood Flow and Tissue Perfusion



PDE[®] Near Infrared Fluorescence Imager

Plastic Surgery

Skin and muscle flaps

General Surgery

Post-operative wound-healing
Identification of necrotic tissue

Abdominal Surgery

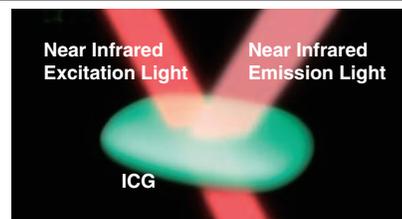
Gastro-intestinal tract

Internal Medicine

Diabetic extremities

The PDE is used in various areas where the evaluation of tissue/organs for perfusion and blood flow are critically important.

ICG Fluorescence Method



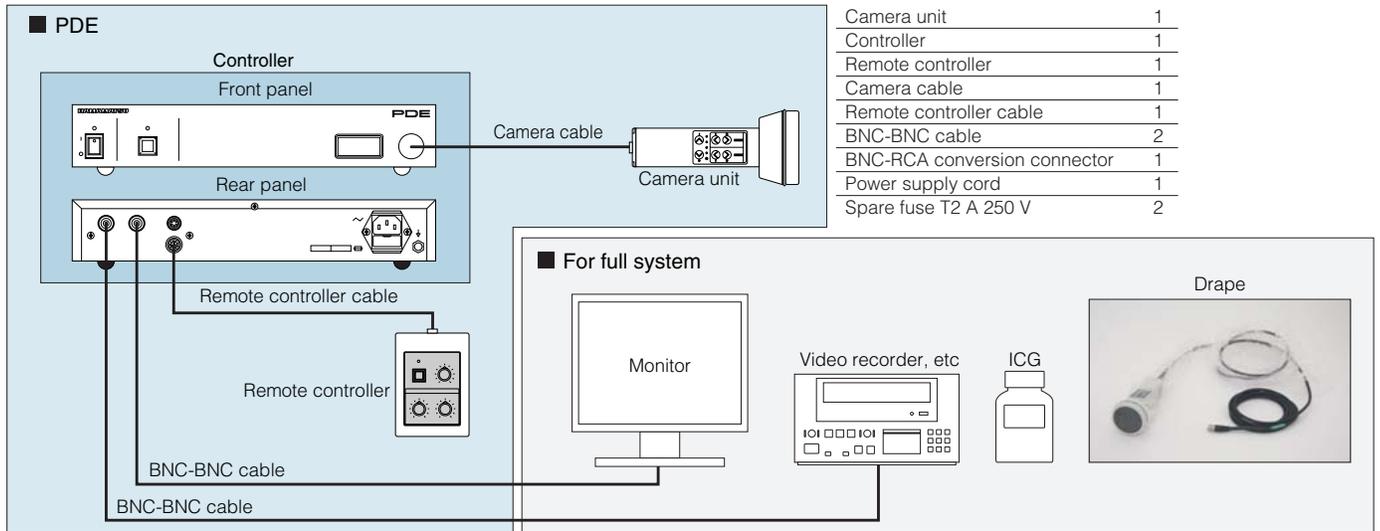
Observation by ICG fluorescence:

When ICG is administered as a bolus intravenously, the PDE is able to visualize the ICG fluorescence allowing a qualitative assessment of blood flow and tissue perfusion.

Fluorescence characteristics of ICG:

After bonding with plasma protein in the blood, ICG will become excited with near infrared light and fluoresce at a slightly longer near infrared wavelength. The PDE's special sensor and filters will see this fluorescence clearly through a range of human soft tissue.

Configuration



*Monitor, video recorder, ICG and drape are not included under the standard configuration of PDE, which should be prepared in local. Please prepare the monitor with image output in NTSC format by BNC or RCA connector for image input.

Specification

Type No.	C9830	
Power supply voltage	AC100 V to AC 240 V	
Power frequency	50 Hz / 60 Hz	
Power consumption	Max. 60 VA	
Ambient operating temperature	+ 10 °C to + 30 °C	
Ambient operating humidity	20 % to 70 % (with no condensation)	
Ambient storage temperature	0 °C to + 40 °C	
Ambient storage humidity	20 % to 70 % (with no condensation)	
Dimension / Weight	Camera unit	Approx. 80 mm (W) × 181 mm (D) × 80 mm (H) (not including projections) Approx. 0.5 kg (not including cables and accessories)
	Controller	Approx. 322 mm (W) × 283 mm (D) × 55 mm (H) (not including projections) Approx. 2.8 kg (not including cables and accessories)
Controller function	Noise reduction Contrast enhancement	
Output signal	Black and White (EIA),	
Video output	2 BNC	

FDA 510(k) Cleared - K110480

PDE is a registered trademark of Hamamatsu Photonics K.K. (Australia, EU, Japan)

HAMAMATSU PHOTONICS K.K. www.hamamatsu.com

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