

PH-2B | 41350-200

CT Whole Body Phantom "PBU-60"



A unique, life size whole body phantom for CT provides a variety of educational application as well as visual evaluation in finding out optimal scanning conditions



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FEATURES

- | Radiology absorption and HU number approximate to human body.
- | Main joints have close-to human articulation
- | Phantom can be disassembled into 10 individual parts

APPLICATIONS

- | CT
- | Plain X-ray
- | Basic patient positioning

ANATOMY

Full internal organs	Internal organs		HU number at 80KeV	
	Internal organs		Internal organs	HU number at 80KeV
Bony structure	Synthetic skull		Portal and hepatic veins	40
	Cervical vertebrae		Pancreas	30
	Vertebrae		Kidneys	30
	Clavicles		Gallbladder	20
	Ribs		Spleen	50
	Sternum		Seminal vesicle	25
	Scapula		Aorta	40
	Coxal bones		Cava	70
	Femurs		Ureter	ureteral wall: 30 / inside: 10
			Urinary bladder	10
			Prostate	50
			Rectum	rectum wall: 70 / inside: -800
			Sigmoid Colon	colon wall: 70 / inside: -800

DESCRIPTIONS

SET INCLUDES

- 1 whole body phantom
- 1 head supporter
- 1 flat head screwdriver
- 1 set of sample X-ray data (DVD) manual

SPECIFICATIONS

Phantom height: 165 cm
 65 in
 Packing size: 85 x 60 x 44 cm x 2 boxes
 33.5 x 24 x 17.3 in x 2 boxes
 Phantom weight: 50 kg/ 110 lb
 Packing weight: 80 kg/ 176 lb

MATERIALS

Soft tissue: urethane based resin (specific gravity: 1.06)
 Synthetic bone: epoxy resin (specific gravity: 1.31)
 Skull: epoxy resin (specific gravity: 1.11)
 *Phantom has no metal parts or liquid structure

OPTIONAL PARTS

- 41363-070 storage cases (consist of 2 boxes)
- 41350-200-16 body plates for PH-2/2B (BMI 32)
- 41350-200-17 body plates for PH-2/2B (BMI 40)

PUBLICATION REFERENCES

Seon Chil Kim, Hong-Moon Jung. A Study on Performance of Low-Dose Medical Radiation Shielding Fiber (RSF) in CT Scans. International Journal of Technology. 2013; 2: 178-187.
 Read more: <http://www.ijtech.eng.ui.ac.id/index.php/journal/article/view/107>

Storage case P.12 ▶