

SmartNeedle[®]
vascular access system

Auditory Feedback for **Precise** Access



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vascular access system

Simple Access with **Clinical** Advantages

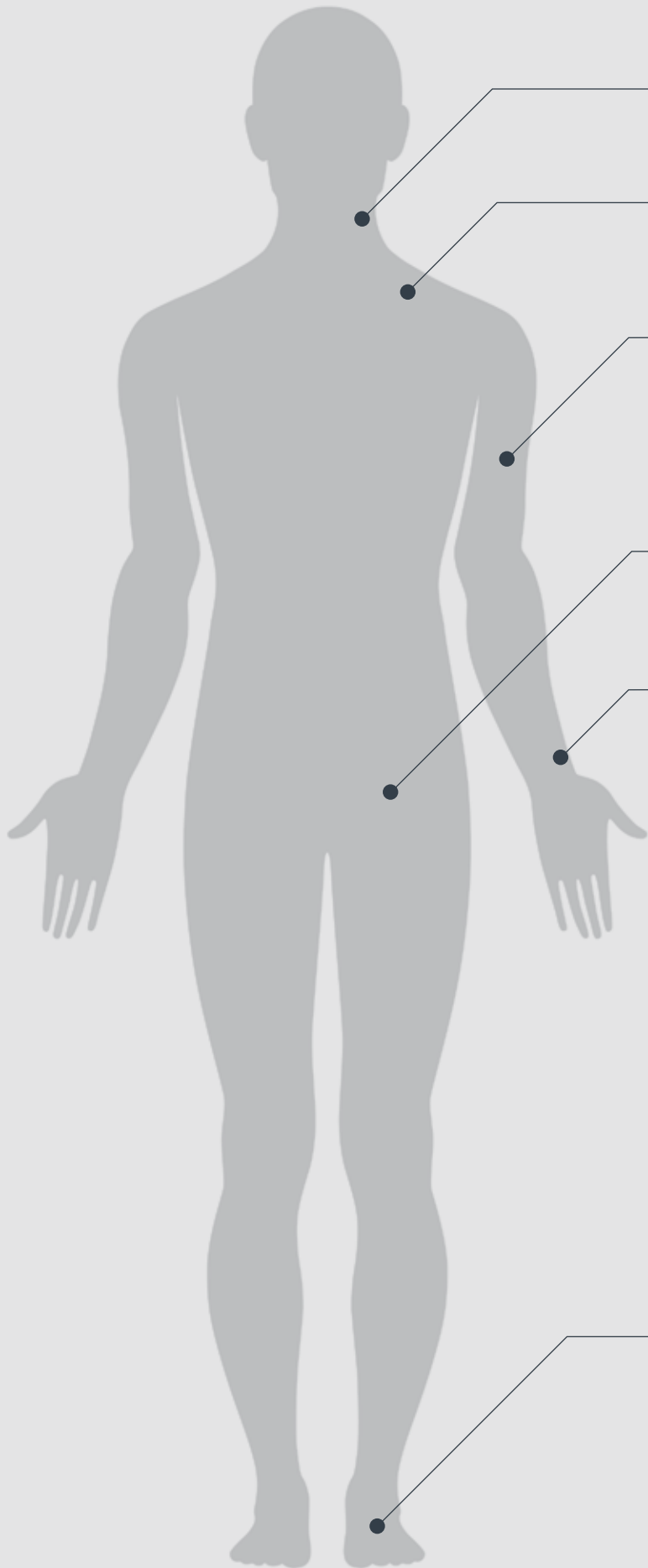
The SmartNeedle is a Doppler ultrasound system that uses audible blood flow indicators for easy detection and differentiation of arteries and veins. This continuous auditory feedback offers greater precision, allowing the operator to access the vessel with accuracy and confidence.

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The SmartNeedle system consists of a small, portable, battery-operated monitor and a full line of bare and IV assembly sheathed needles that range in size from 24G to 18G.

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Internal Jugular Access
(Model 78040)

Subclavian Access
(Models 78050 & 78040)

Peripheral Venous Access
(Models 78030 & 78040)

Femoral Access
(Models 78050 & 78060)

Radial Access
*(Models 78030, 78040 and
all IV Assembly Sheathed Needles)*

Pedal Access
*(Models 78030, 78040 and
all IV Assembly Sheathed Needles)*

Multiple Access Points One Simple Solution

The SmartNeedle simplifies access in a variety of clinical scenarios from challenging anatomies to everyday use. SmartNeedle can be helpful for patients where vascular access is challenging, such as patients with a weak pulse, obesity, tortuosity, or scarring.

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Use of the SmartNeedle device is indicated when blood flow must be detected for percutaneous vessel cannulation. The vessel must be of a caliber which would normally be punctured with a needle and/or catheter of this size or larger.

Monitor

Model	Description	Box Quantity
72000	SmartNeedle Percutaneous Doppler Monitor	1

Bare Tip Needles

Model	Description	Needle Usable Length	Needle O.D.	Max Needle Guidewire	Box Quantity
78030	22G Bare Tip Needle	1.875"/48mm	22G	0.021"/0.53mm	10
78040	20G Bare Tip Needle	1.50"/38mm	20G	0.025"/0.64mm	10
78050	18G Bare Tip Needle	2.75"/70mm	18G	0.038"/0.97mm	10
78060	18G Extended Bare Tip Needle	3.50"/89mm	18G	0.038"/0.97mm	5

Bare Tip Needle components:

- One needle with Doppler probe stylet
- One sterile cover (for placing the monitor in the sterile field)

Devices packaged in the quantities listed above. Individual units are not sold separately.

IV Assembly Sheathed Needles

Model	Description	Needle Usable Length	Needle O.D.	Catheter Usable Length	Catheter O.D.	Max Catheter Guidewire	Max Needle Guidewire	Box Quantity
78110	24G IV Assembly, Polyurethane	1.125"/29mm	26G	0.75"/19mm	24G	0.018"/0.46mm	0.010"/0.25mm	10
78120	22G IV Assembly, Polyurethane	1.625"/41mm	24G	1.00"/25mm	22G	0.021"/0.53mm	0.015"/0.38mm	10
78130	20G IV Assembly, Polyurethane	1.875"/48mm	22G	1.25"/32mm	20G	0.028"/0.71mm	0.021"/0.53mm	10

IV Assembly Sheathed Needle components:

- One needle with Doppler probe stylet
- Polyurethane catheter

Packaged in quantities of 10 units per box. Individual units are not sold separately.

Please see the Instructions for Use for a complete listing of the indications, contraindications, warnings and precautions.

CAUTION: Federal Law (U.S.A.) restricts this device to sale by or on the order of a physician.

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