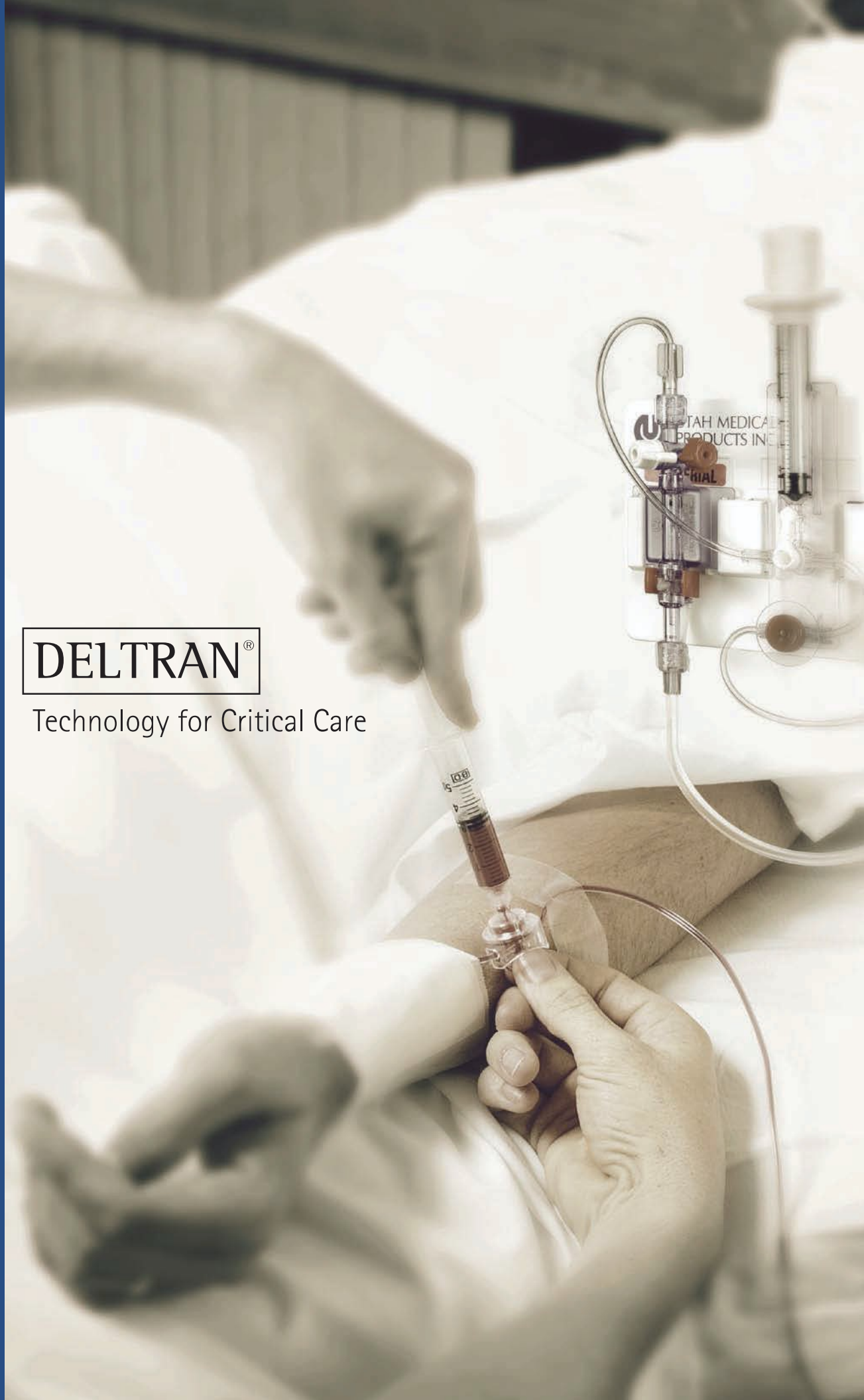


DELTRAN®

Technology for Critical Care

DELTRAN® PLUS

Closed Needleless Arterial Blood Collection System

THE PROBLEMS

Nosocomial Infections/Vascular Line Sepsis

Stopcocks (used for injection of medications, administration of IV infusions, and collection of blood samples) represent a potential portal of entry for microorganisms into vascular access catheters and IV fluids.

Needlesticks and Exposure

OSHA estimates that 5.6 million workers in the health care industry and related occupations are at risk of exposure to blood-borne pathogens, including HIV, Hepatitis B, and Hepatitis C.

OSHA's Compliance Directive[1] states that:
"All procedures involving blood or other potentially infectious materials shall be performed in such a manner as to minimize the splashing, spraying, spattering, and generation of droplets of these substances."

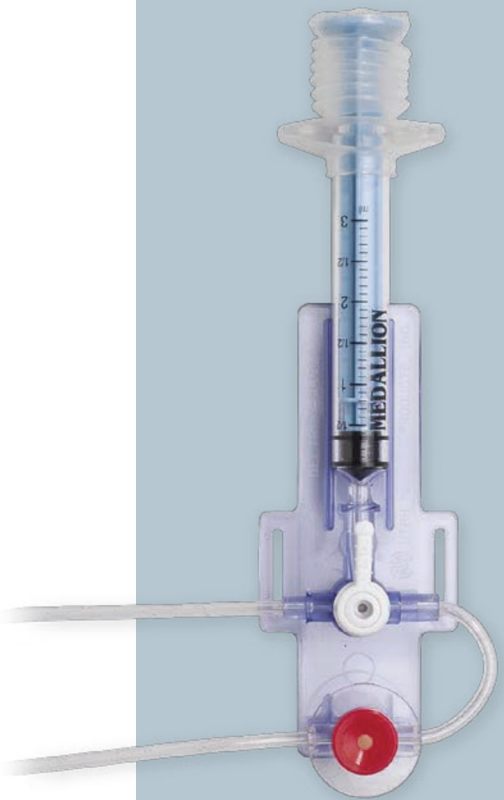
The Directive further states:
"Employers who have employees with occupational exposure to blood-borne pathogens must consider and, where appropriate, use effective engineering controls, including safer medical devices, in order to reduce the risk of injury from needlesticks and from other sharp medical instruments."

THE SOLUTION

DELTRAN PLUS, Utah Medical Products, Inc.'s (UTMD's) closed needleless arterial blood collection system, was designed to offer increased protection to patients and healthcare workers. The integrated reservoir syringe and needleless sampling port provide significant benefits:

- Closed sampling system reduces the risk of nosocomial infection or line sepsis.
- Closed sampling system reduces the splashing and spraying of blood during sampling.
- Integrated reservoir syringe conserves precious blood volume of the patient (small volume blood loss can be critical for neonatal patients).
- Needleless sampling system reduces potential exposure from needlesticks.
- A clear, saline-free blood sample can be easily drawn for accurate lab analysis.
- Accurate blood pressure measurements with components that simplify set-up.
- One-handed operation of reservoir syringe makes the system easy to use.

[1]OSHA 1910-1030

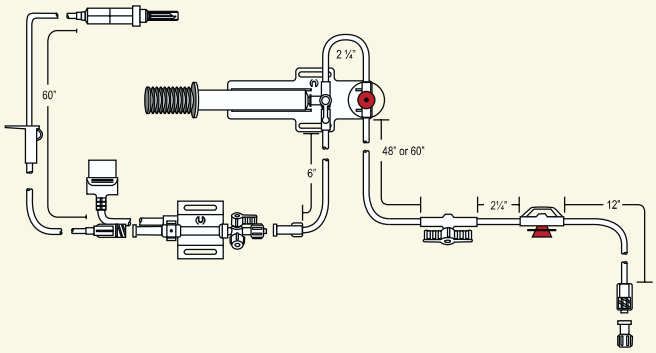


DELTRAN® PLUS KITS

Closed Needleless Arterial Blood Collection System

Single-Line Pole Mount Set

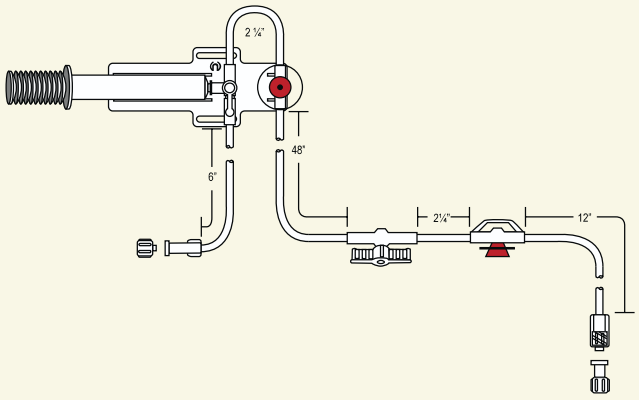
ABC-248	48"Line with Micro Drip Chamber, 3cc Reservoir
ABC-260	60" Line with Micro Drip Chamber, 3cc Reservoir
ABC-248A	48" Line with Macro Drip Chamber, 3cc Reservoir
ABC-260A	60" Line with Macro Drip Chamber, 3cc Reservoir
ABC-248-6	48" Line with Micro Drip Chamber, 6cc Reservoir
ABC-248A-6	48" Line with Macro Drip Chamber, 6cc Reservoir
ABC-260-6	60" Line with Micro Drip Chamber, 6cc Reservoir



Single-Line ABC Sampling Set

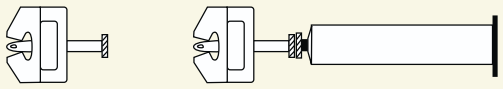
Single ABC line without transducer
Add closed system sampling to any transducer

ABC-048	48" ABC Line, 3cc Reservoir



ABC Needleless Sampling Cannula

ABC-100	Protective Safety Cannula
ABC-105	Protective Safety Cannula for Vacuum Collection



ABC-100 ABC-105

Doubles/Triples

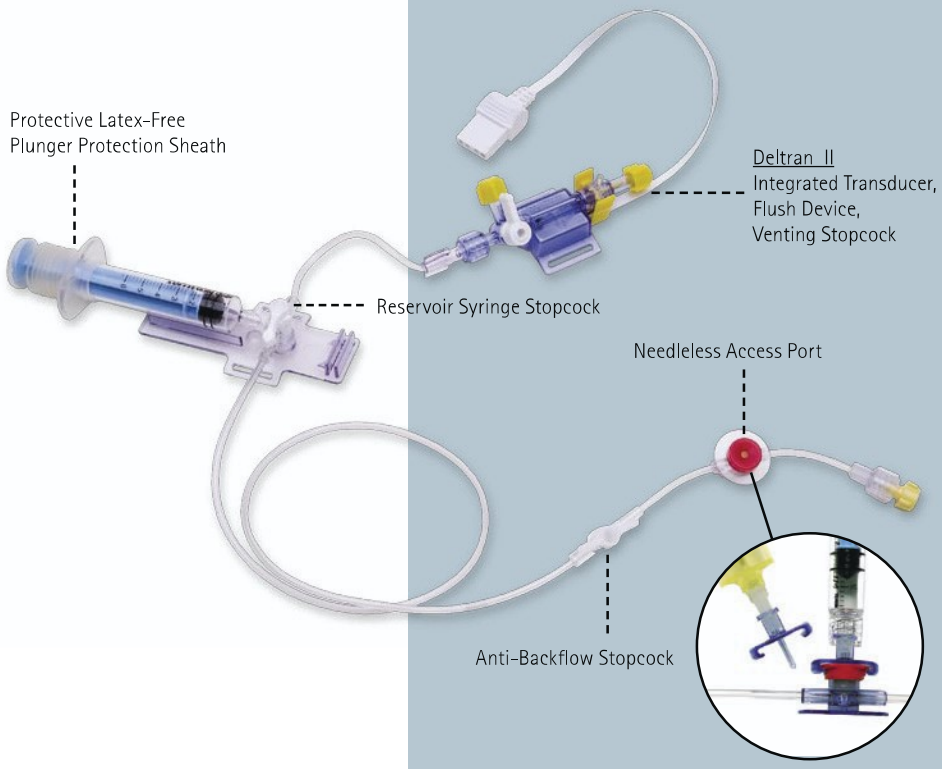
AB2-400	Bifurcated, 48" Line with Micro Drip Chamber, 3cc Reservoir
AB2-400-6	Bifurcated, 48" Line with Micro Drip Chamber, 6cc Reservoir
AB3-400-6	Trifurcated, 48" Line with Micro Drip Chamber, 6cc Reservoir

NEONATAL/PEDIATRIC KITS

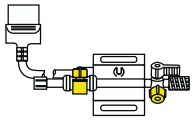
Designed Specially for the Small Patient

UTMD applied its industry-accepted dispos able blood pressure monitoring technology to the special needs of the NICU. UTMD's Deltran® disposable pressure transducer expertise is inte grated into a closed blood collection system is designed specifically to conserve blood and protect the neonatal patient from infection.

- Closed sampling system reduces risk of sepsis.
- Conserves precious blood volume of the neonatal patient.
- Needleless sampling system to avoid poten tial exposure and cross-contamination.
- Clear, saline-free blood sample for accurate lab analysis.
- Accurate blood pressure measurements with components that simplify setup.



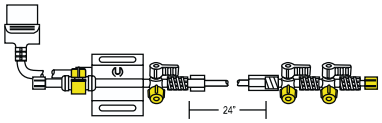
Deltran II Neonatal Transducer



Yellow markings identify
neonatal/pediatric application
Deltran Plus accuracy and reliability
Up to 30cc/hr flow rate

DPT-300	Deltran II Neonatal Transducer

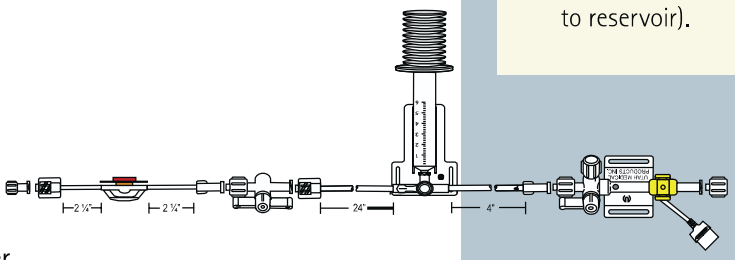
Single-Line Neonatal/Pediatric Set



Yellow markings identify
neonatal/pediatric application
Facilitates blood sampling
Up to 30cc/hr flow rate

DPT-324	24" Line

Single-Line Closed Sampling Set



Designed specifically for neonatal application
Preserves precious neonatal blood volume
Up to 30cc/hr flow rate

ABC-328NP	Neonatal ABC Kit, 6cc reservoir
ABC-350NP	Neonatal ABC Kit, 6cc syringe
ABC-050NP	Neonatal Kit w/o transducer 6cc syringe

[1]U.S. Patent 5,759,160

Deltran® II Closed Sampling Procedure:

1. Open reservoir syringe stopcock ('off' to transducer).
2. Draw fluid from catheter-tubing system into reservoir syringe (pulls pure blood into access port).
3. Close one-way anti-backflow stopcock.
4. Insert blunt cannula into access port to draw blood into sampling syringe.

Now reverse steps 1 through 3:

- Open one-way anti-backflow stopcock.
- Re-infuse fluid from reservoir syringe to the patient.
- Close reservoir syringe stopcock to resume blood pressure monitoring ('off' to reservoir).

ACCESSORIES AND KITS

Answering Critical Care Needs

Custom Monitoring Kits

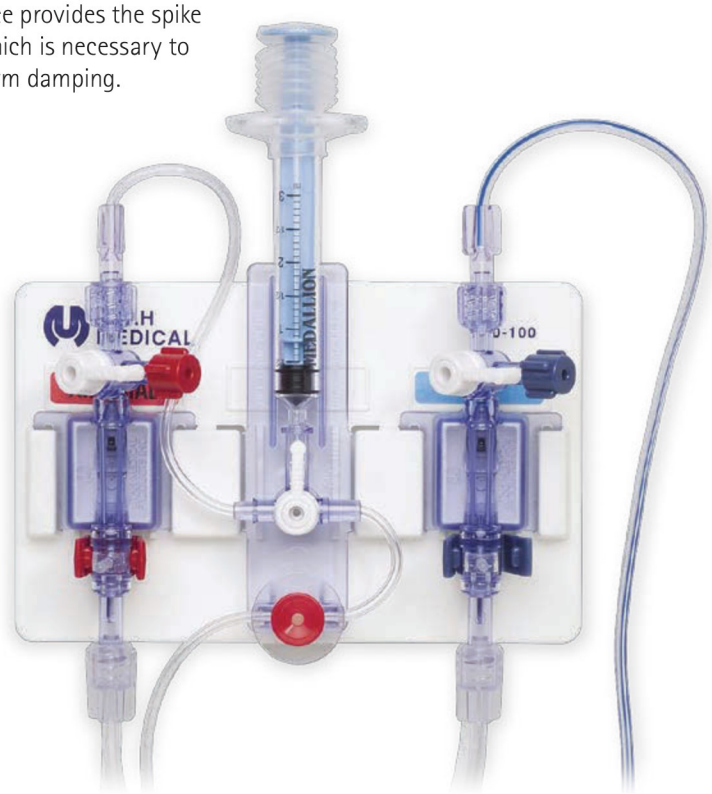
Every clinical requirement — for any situation — can be designed into a single system. Contact your local UTMD distributor for more information.

Monitor Cables

UTMD cables provide the interface between Deltran transducers and virtually all monitor models, ensuring that Deltran accurately monitors patient vitals. Contact UTMD with your monitor model for product information.

Delta-Flow™

Clinical dynamic response assessment by square wave testing may be performed quickly and accurately at the bedside with the Snap-Tab™ flush device. This device provides the spike to the system which is necessary to evaluate waveform damping.



Organizers

Three and four place Organizers with color coded labels provide easy identification of various components and can be easily adapted to mount to the bedside or an IV pole.

Delta-Cal™

A unique, hand-held transducer tester, DELTA-CAL provides a known pressure value to eliminate use of mercury manometers and allows verification of proper function and accuracy of the DELTRAN pressure transducer system. A pneumatic port and monitor connector port provide methods for determining the source of a problem, whether it be in the monitor, cable, or transducer. The device may also be used with most other blood pressure transducer systems.

DELTRAN®

Technology for Critical Care

Since 1978, UTMD has been a leader in disposables for blood pressure monitoring. By continually striving to anticipate the critical needs of clinicians, UTMD is constantly refining technology to develop transducer products of the highest value to clinicians and patients.

DELTRAN pressure transducers reflect 20 years of experience in critical care monitoring. During that time the DELTRAN transducer has been established as the standard for safety and accuracy.

In addition, UTMD's DELTRAN PLUS needleless arterial blood collection system extends the DELTRAN family of products to include protection from exposure to blood-borne pathogens.

UTMD's goal is to continually seek ways to improve accuracy and safety.

DELTRAN I

Stand Alone Disposable
Pressure Transducer

DELTRAN II

Pressure Transducer With Integral
Stopcock and Flush Device

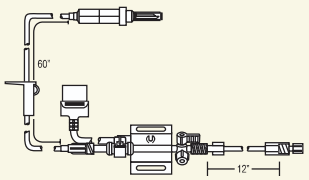
Deltran Provides:

- Consistent and accurate readings during monitoring.
- Components that simplify set-up.
- A closed sampling system which reduces risk of sepsis.
- Conservation of precious blood volume which can be critical in small patients.
- A needleless sampling system to avoid potential exposure and cross-contamination.
- A fully integrated flow-thru component design that simplifies priming and de-bubbling.
- The versatile, dual function Snap-Tab which allows for dynamic response testing.
- 3cc or 30cc per hour flow rates.
- Compatibility with most types of monitors.

DELTRAN KITS

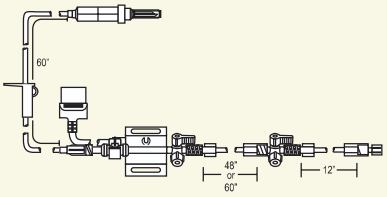
Single-Line Arm Mount Set

DPT-212	Micro Drip Chamber
DPT-212A	Macro Drip Chamber



Single-Line Pole Mount Set

DPT-248	48" Line with Micro Drip Chamber
DPT-248A	48" Line with Macro Drip Chamber
DPT-260	60" Line with Micro Drip Chamber
DPT-260A	60" Line with Macro Drip Chamber

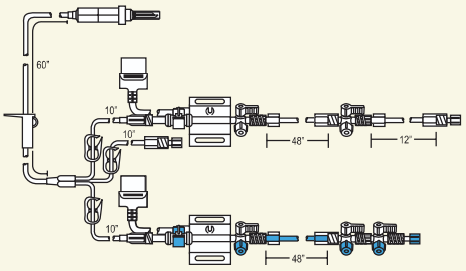


Dual-Line Pole Mount Set

Color coded lines for accurate identification

Scalable — easily add a third line

DP2-400	48" Lines with Micro Drip Chamber
DP2-400A	48" Lines with Macro Drip Chamber

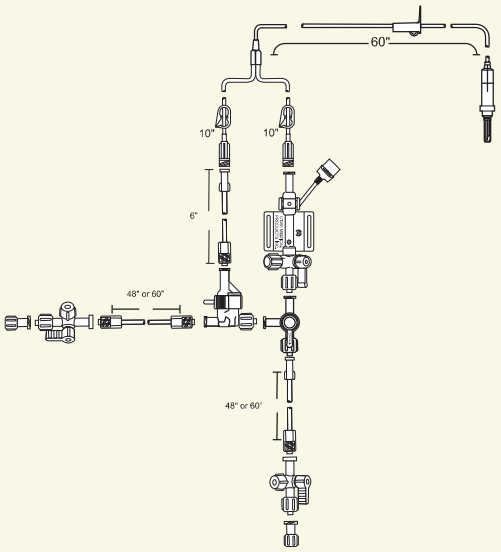


Bifurcated Single Transducer Pole Mount Set

Enables monitoring of either of two lines with a single transducer

Color coded lines for accurate identification

DPT-248DL	48" Lines with Micro Drip Chamber
DPT-260DL	60" Lines with Micro Drip Chamber

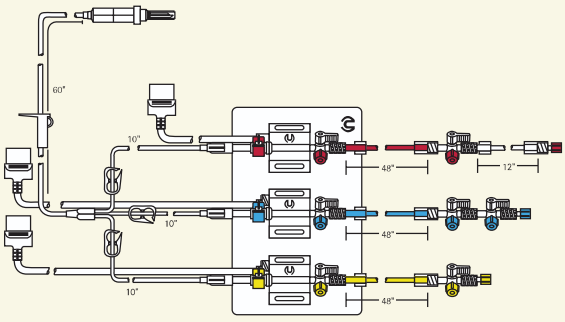


Triple-Line Pole Mount Set

Color coded lines for accurate identification

Preassembled triple line set

DP3-400	48" Lines with Micro Drip Chamber
DP3-400A	48" Lines with Macro Drip Chamber



ORDERING INFORMATION

Deltran® Transducers and Kits

Transducers		
DPT-100	Deltran Disposable Pressure Transducer	25/bx
DPT-200	Deltran II Disposable Pressure Transducer, 3cc/hr flow	25/bx
DPT-300	Deltran II Disposable Pressure Transducer, 30cc/hr flow for Neonatal Use	25/bx

Assembled Transducer Kits	Transducers	Line Length	Package	Micro Drip	Macro Drip
Deltran II Arm Mount Kit	1	12"	25/bx	DPT-212	DPT-212A
Deltran II Pole Mount Kit	1	48"	25/bx	DPT-248	DPT-248A
Deltran II Pole Mount Kit	1	60"	25/bx	DPT-260	DPT-260A
Deltran II '2x1' Pole Mount System	1	2 x 48"	10/bx	DPT-248DL	--
Deltran II '2x1' Pole Mount System	1	2 x 60"	10/bx	DPT-260DL	--
Deltran II Pole Mount Kit	2	2 x 48"	10/bx	DP2-400	DP2-400A
Deltran II Pole Mount Kit	3	3 x 48"	10/bx	DP3-400	DP3400A

Deltran Plus Transducers and Closed, Needleless Arterial Blood Collection (ABC) Kits

Assembled Kit for Existing Transducers	Transducers	Reservoir	Package	48" Line	50" Line
ABC System Only	0	3cc	25/bx	ABC-048	--
ABC System Only - Neonatal	0	6cc	10/bx	--	ABC-050NP

Assembled Transducer Kits	Transducers	Line Length	Reservoir	Package	Micro Drip	Macro Drip
Deltran II ABC Pole Mount Kit	1	48"	3cc	25/bx	ABC-248	ABC-248A
Deltran II ABC Pole Mount Kit	1	60"	3cc	25/bx	ABC-260	ABC-260A
Deltran II ABC Pole Mount Kit	1	48"	6cc	25/bx	ABC-248-6	ABC-248A-6
Deltran II ABC Pole Mount Kit	1	60"	6cc	25/bx	ABC-260-6	--
Deltran II ABC Pole Mount Kit	2	48"	3cc	25/bx	AB2-400	--
Deltran II ABC Pole Mount Kit	2	48"	6cc	25/bx	AB2-400-6	--
Deltran II ABC Pole Mount Kit	3	48"	6cc	25/bx	AB3-400-6	--

Neonatal Systems and Kits

For use with syringe pumps. Allows for up to 30cc/hr flow rates.

Assembled Transducer Kits	Transducers	Reservoir	Package	24" Line	50" Line
Deltran II Standard Kit	1	--	25/bx	DPT-324	--
Deltran Plus Closed, Needleless ABC Kit	1	6cc	10/bx	ABC-328NP	--
Deltran Plus Closed, Needleless ABC Kit	1	6cc	10/bx	--	ABC-350NP

Accessories: Organizers, Pole Mounts & Monitor Cables

ABC-100	Protective Safety Cannula for ABC Systems	100/bx
ABC-105	Protective Safety Cannula with Vacuum Collection Assembly for ABC Systems	50/bx
650-100	Deltran Three Position Organizer	5/bx
650-105	Deltran Four Position Organizer	5/bx
650-125	Hook and Loop Strap and Adhesive Pad for Patient Mount	25/bx
650-150	Pole Mount Unit for Organizers	1 ea
650-XXX	Reusable Monitor Interface Cables	1 ea
	Contact UTMD for cable information for your specific monitor	

Transducer Calibration Systems

650-950	Delta-Cal™ Transducer Simulator/Tester	1 ea
650-900	Veri-Cal™ Transducer Tester	1 ea
650-905	48" Connecting Tube and Four-Way Stopcock (non-sterile)	1 ea

Delta-Flow™ Flush Devices with Snap-Tab™

100-202	Delta-Flow™ II 3cc/hr, 'T' Configuration	50/bx
100-204	Delta-Flow II 3cc/hr, Flow-Through Configuration	50/bx
100-205	Delta-Flow II 3cc/hr, 'Y' Configuration	50/bx

Fluid Administration Sets, Caps, and Stopcocks

600-101	Fluid Administration Set, 60" Micro Drip	25/bx
600-102	Fluid Administration set, 60"	25/bx
600-122	Fluid Administration Set, 60", Macro Drip Trifurcated	25/bx
600-400	Universal Caps (package of two)	50/bx
400-351	3-Way Luer Lock Stopcock	50/bx

Luer-Lock Pressure Tubing *Packaged 50/box.*

Length	Male-Female	Male-Male
6"	300-006	310-006
12"	300-012	310-012
18"	300-018	310-018
24"	300-024	310-024
36"	300-036	310-036
48"	300-048	310-048
60"	300-060	310-060
72"	300-072	310-072
84"	300-084	310-084

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