



700PTPU Pinch Tube Pen Operating Manual

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OVERVIEW



Model 700PTPU Pinch Tube Pen

**Shown with Gravity Feed Bottle #560666 and Stand #560670U
(Sold Separately)**

The 700PTPU Pinch Tube Pen is an ideal applicator for manually dispensing continuous beads or applying microdots of low viscosity liquids such as solvents, cyanoacrylates, and UV adhesives.

The disposable pinch tube is the only part of the pen that is in contact with the fluid material and can be easily discarded when needed. The pinch tube pen can be connected via a wide range of interchangeable fittings and fluid lines and utilized with gravity fed bottles or pressurized fluid reservoirs.

Lightweight and durable design

Use as a handheld device

Easy to set-up and use






Suitable for dispensing low viscosity fluids

Disposable wetted parts ensure an easy to service and maintain device

Adjustable stroke control screw allows the fluid flow rate to be set by the operator





SAFETY

General Precautions

	<i>Do not operate the device in excess of its maximum ratings / settings.</i>
	<i>The fluid being dispensed may be toxic and / or hazardous. Refer to the Material Safety Data Sheet for proper handling and safety precautions.</i>
	<i>Do not smoke or use near an open flame when flammable materials are being dispensed.</i>
	<i>Do not expose the device directly to sunlight.</i>
	<i>Avoid cleaning the applicator with aggressive solvents – neutral detergents are preferred.</i>




Inappropriate Use

If the device is used in a way other than described in this manual, it may cause damage to self or property.

	<i>Do not use any components with the device other than Fisnar authorized components.</i>
	<i>Do not use incompatible materials.</i>
	<i>Do not make any modifications to the device. All repairs are to be done using Fisnar specified spare parts.</i>
	<i>Do not operate the device in excess of its maximum ratings / settings.</i>

Fire Prevention

Refer to the following instructions to avoid any fire or explosion.

	<i>Assess your surroundings and the location of the nearest fire extinguisher and Emergency Exit.</i>
	<i>Do not smoke or use near an open flame when flammable materials are being dispensed.</i>
	<i>Do not expose the device directly to sunlight.</i>

SPECIFICATIONS

Dimensions (Length x Ø):	5.5" x 2.3" (139.7 x 58.4 mm)
Weight:	0.6 lbs (280g)
Fluid Inlet Pressure:	50 psi (3.5 bar) max
Material:	Nylon & Stainless Steel

ACCESSORIES

Item	Description	Quantity
580042A	3/32" Hex Key	1
580044A	1/16" Hex Key	1
580045A	PE Pinch Tube M-F 0.10"ID	3
580045A-BLK	PE Pinch Tube M-F 0.10"ID - Black	2
580047A-10-24	PE Fluid Line 0.10"ID x 24" Length	1
580047A-BLK-10-24	PE Fluid Line 0.10"ID x 24" Length - Black	1
5801449	Tip Adapter Luer Lock - Black	1
5801450	Tip Adapter Luer Lock - White	1
QK-NSK	QuantX Needle Selection Kit	1

DISPENSE SETUP

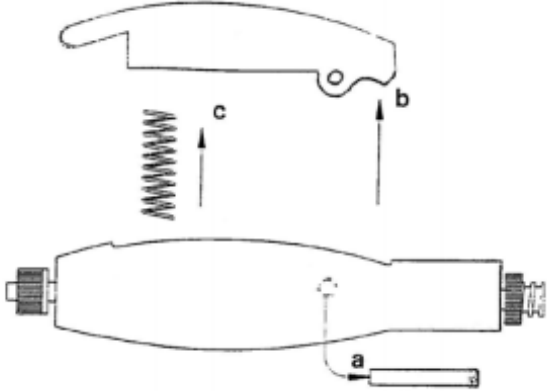
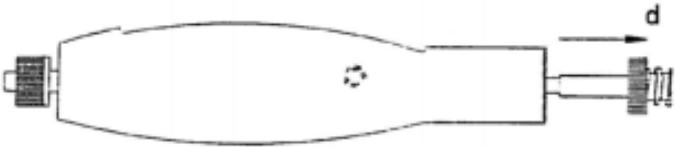
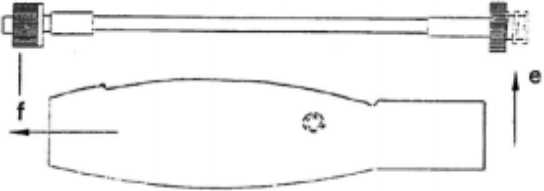
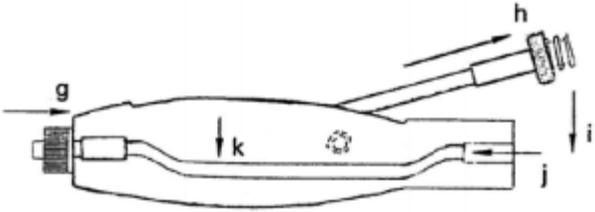


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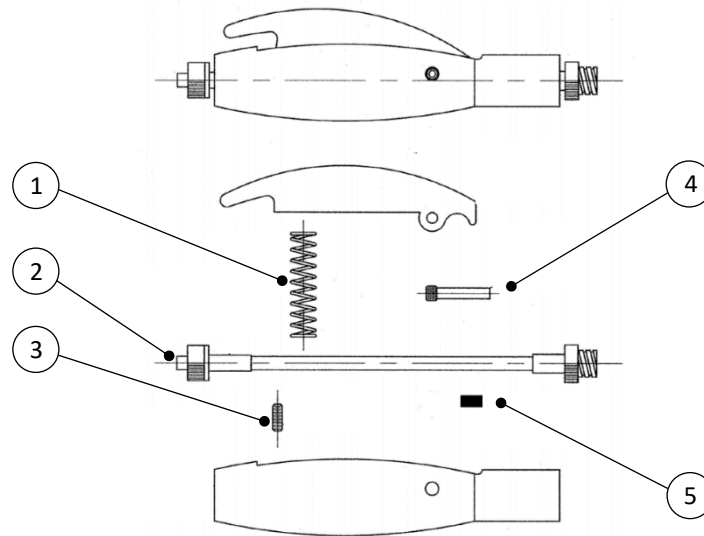
**Shown with 0.5 Gallon Reservoir #IJ2601N-SS-SP
(Sold Separately)**

1.	When using Fisnar reservoir IJ2601N-SS-SP attach the included luer lock adapter assembly to the inlet side of the 700PTPU pinch tube pen.
2.	<p>Hold the “pen” in your hand as if you were writing. Depress the on/off lever and gradually increase the fluid tank pressure by rotating the pressure regulator on the top of the tank in a clockwise direction until the fluid starts to flow from the outlet of the pinch tube pen.</p> <p>Once all of the air has been purged from the fluid line and pinch tube assembly, release the on/off lever to stop the flow. Attach the desired dispense tip to start dispensing.</p>
3.	To fine tune the flow control or obtain your desired dot size, use the included hex key to adjust the stroke of the on/off lever. This adjustment is made on the underside of the “pen” body, on the opposite side of the lever.
4.	<p>With repeated use, a closely controlled application can be achieved by adjusting the following:</p> <ul style="list-style-type: none"> A. Pressure on the supply reservoir B. Dispense tip size C. Stroke adjustment on the on/off lever

PINCH TUBE REPLACEMENT

1.	<p>Use the included 3/32" hex key to unscrew and remove the pivot pin (a). Next remove the trigger (b) and spring (c) from the pen body.</p> 
2.	<p>Pull the female end of the pinch tube assembly out (d), stretching it until the fitting clears the body.</p> 
3.	<p>Lift the female end of the pinch tube assembly up and out of the pen body (e). Then lift the male end (f) to remove the pinch tube assembly from the pen body.</p> 
4.	<p>To replace a new pinch tube assembly, insert the fitting of the male pinch tube assembly into the front end of the body (g). Stretch the female side of the pinch tube to the opposite end of the body until the fitting clears (h).</p> <p>To finish assembling the device push the pinch tube assembly down (i) and insert the end into the body (j). Finally, secure by pushing the Pinch Tube assembly to the bottom inside of the body (k) and re-assemble.</p> 

PARTS LIST



Ref.	Item Number	Description
1	580043CW	Spring
2	580045A	PE Pinch Tube M-F 0.10"ID
2	580045A-BLK	PE Pinch Tube M-F 0.10"ID - Black
3	580044	Set Screw
4	580042	Pin
5	580026U	Pinch Cushion

Compatible Fluid Lines



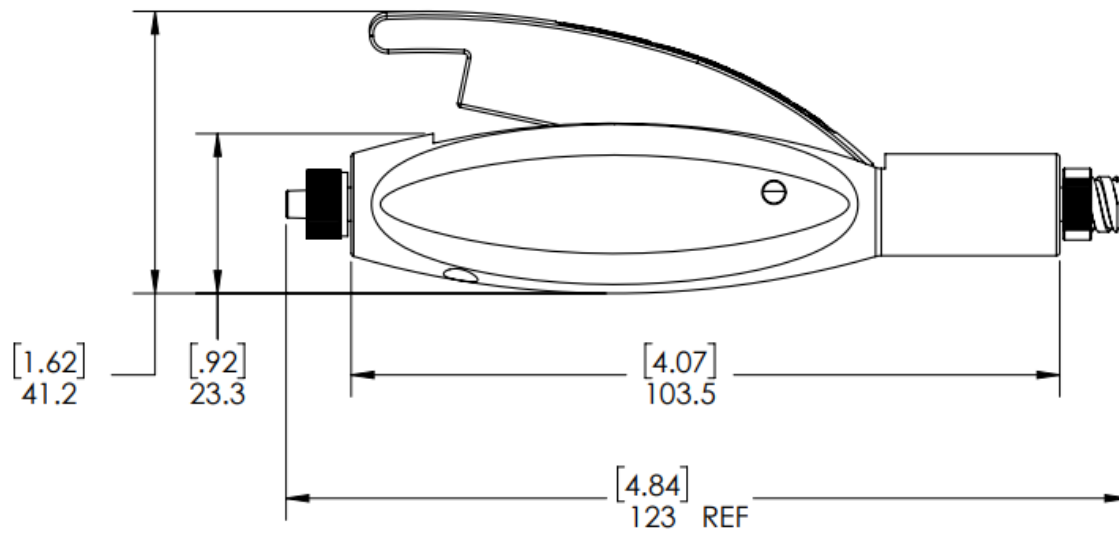
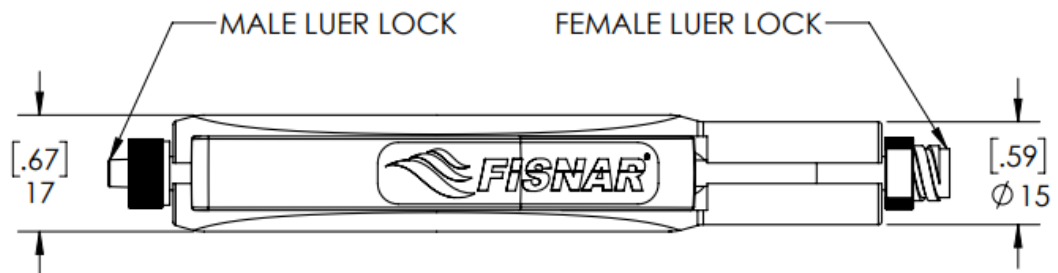
Item	Description	Included with 700PTP-U
580047A-07-24	PE Fluid Line 0.07"ID x 24" Length	
580047A-10-18	PE Fluid Line 0.10"ID x 18" Length	
580047A-10-24	PE Fluid Line 0.10"ID x 24" Length	•
580047A-10-36	PE Fluid Line 0.10"ID x 36" Length	
580047A-BLK-07-24	PE Fluid Line 0.07"ID x 24" Length - Black	
580047A-BLK-10-24	PE Fluid Line 0.10"ID x 24" Length - Black	•
580047A-BLK-10-36	PE Fluid Line 0.10"ID x 36" Length - Black	

Compatible Luer Lock Fittings



Item	Description	Included with 700PTP-U
5801449	Male Luer Lock Adapter - Black	•
5801450	Male Luer Lock Adapter - White	•
5801451	Female Luer Lock Adapter - Black	
5801454	PP Female Luer Lock Coupling - Natural	

Technical Drawing



LIMITED WARRANTY

Manufacturer warrants this product to the original purchaser for a period of one (1) year from the date of purchase to be free from defects in material and workmanship, but not against damages caused by misuse, negligence, accident, faulty installation, abrasion, corrosion or by not operating in accordance with factory recommendations and instructions. Manufacturer will repair or replace (at factory's option), free of charge, any component of the equipment thus found to be defective, upon prepaid return of the equipment to the factory during the warranty period of the equipment. In no event shall any liability or obligation of Manufacturer arising from this warranty exceed the purchase price of the equipment. The manufacturer's written liability, as stated herein, cannot be altered or enlarged except by a written statement signed by an officer of the company. In no event shall manufacturer be liable for consequential or incidental damages. A return authorization is required prior to shipping a defective machine to the factory.

Manufacturer reserves the right to make engineering or product modifications without notice.



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