纳升微量操作泵NANOLITER2020

产品简介

WPI公司最新上市的NANOLITER2020是在原NANOLITER2010产品的基础上的升级换代产品，除了具有NANOLITER2010的优秀特征外，还具备以下几个明显的特征：

1、操作泵整机采用铝合金材质生产，外观优美；

2、NANOLITER2020可直接连接Micro2T，无需连接线适配器；

3、NANOLITER2020可适配1. 14mm外径的专用玻璃毛细管；

4、NANOLITER2020泵头尾部带LED指示灯，用户可以了解泵头与控制器连接是否正常。

Micro2T中新版操作软件，可以设置移动终点，防止注射过程中意外移动过度，导致步进马达的损坏。超大LED屏可以显示正在使用的通道、注射或回吸模式、注射体积及所占百分比、注射速度等信息。

产品特征

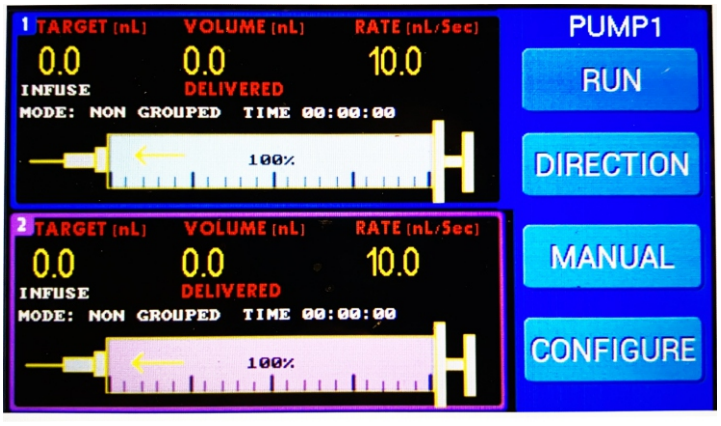
- 全亮银色铝合金机壳设计，时尚美观，经久耐用；
- 通过步进马达推进内部金属柱塞的移动精确并可重复排出玻璃毛细管内液体；
- 可用Micro2T触摸屏控制器控制仪器运行，也可用Micro4控制仪器运行；
- 柱塞沿垫圈、毛细管尖端和矿物油间恰当密封位移的精细控制确保注射精度和准确性；
- 可与脑立体定位仪和手动显微操作器配合使用；

产品参数

注射体积	可调；
远程控制	可以；
玻璃毛细管外径	1.14毫米；
玻璃毛细管内径	0. 53毫米
步进距离	12.7微米/微步；
柱塞行程	23mm；
柱塞外径	0.48毫米；
每纳升体积柱塞移动	5.5微米；
最大注射体积	4200纳升；
最大注射速度	644纳升/秒；
最慢注射速度	1.617纳升/分；
LED显示屏大小	5英寸；
显示通道数量	两个；
主界面功能键	4个；
操作模式	触屏操作；×
运输重量	1.1公斤；
控制器大小	12.7 15.2 8.9厘米；
电源	12伏直流；1.0安培；

产品优势

- 采用背充进行矿物油的灌注，对空隙进行密封，确保气密性；
- 采用专用玻璃毛细管及配套垫圈，不需要配注射器；
- 灌注泵头处有LED指示灯，可以了解灌注泵头的连接和工作状态；
- 用图形直观地表示体积状态；直观的触摸屏界面；
- 精确地控制注射量和注射速率；



产品用途

- **用于昆虫研究：**

√ 用于褐飞虱、稻飞虱、棉铃虫卵细胞和幼虫、成虫注射；
√ 用于果蝇卵细胞、幼蝇及成蝇注射；
√ 线虫、蠕虫、蚜虫等体内注射；

- **用于斑马鱼研究：**

√ 用于斑马鱼卵细胞遗传物质注射；
√ 用于斑马鱼幼鱼药物及染料定量注射；

- **用于啮齿类动物研究：**

√ 大鼠、小鼠等脑内深部组织的药物或神经递质或染料注射；
√ 大鼠及小鼠卵细胞及胚胎基因物质、药物及染料注射；

订购信息

NANOLITER2020显微灌注系统包括如下配置：	
300704	纳升灌注泵头
Micro2T	触屏微电脑控制器
13142	触屏控制器脚踏开关
300746	备用垫圈盒
504949	NANOLITER2020专用玻璃毛细管
M3301R-M10-5052	手动显微操作器固定支架
PZMIII	第三代体式显微镜

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