

Device to Monitor and Control Flow Rate for Intravenous Drug Injection

Status: Filled

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Project Description

Precise monitoring of flow is critically important in for Intravenous (IV) drug injection in hospitals. While simple devices have been around for this purpose, their precision is inadequate in many cases. To circumvent the shortcomings of these devices, hospitals in developed countries use infusion pumps rather than relying on gravity, which typically cost about \$5000. The aim of this project is to develop a device that not only monitors the drug flow rate as set by a physician but it also controls the flow rate to adjust for possible interfering factors. The ultimate goal is to develop the system that costs as little as possible so that it can be used in developing as well as more wealthy countries.

Deliverables

- A working prototype which lets the user set the flow rate, has a display, and is able to

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