

Technical Information Bulletin

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| Part Numbers | Product Description | Issued by | C. Willsden |
| N/A | T34 Syringe Driver | Document No | TB0039 |
| | | Date | 16 February 2015 |

Purpose of Bulletin

The following is to provide users of the T34™ syringe driver information when selecting a 9 volt battery, CME Medical UK Limited do not recommend any specific battery manufacturer.

Detail

9V PP3 batteries can vary in specification and this can be subject to change, we recommend vigilance when reviewing specification of batteries to be considered for use with the T34™.

Calibration

It is recommended that calibration of the T34™ within technician's mode should be carried out with a metal cased battery.

Battery Composition

9V PP3 batteries are available with different chemical and constructive compositions, which can result in different performance. The following are some common 9V battery types and considerations when making a selection.

TYPE - 6LR61 Alkaline

This battery type has cylindrical cell construction and has a low internal impedance value which is designed to provide a constant power output, this is ideal for use with the T34™.

TYPE - 6LF22 or 6LP3146 alkaline

This battery type has flat "tablet" cell construction and has a higher internal impedance value, this could produce fewer infusions than expected, an increase in occlusions or end battery alarms.

TYPE - Lithium

This battery commonly has a three cell construction and has a low internal impedance, they are high power and can commonly last up to five times longer than alkaline batteries. As performance is greater consideration must be made to ensure batteries are replaced at an appropriate interval.

TYPE - Rechargeable

NiMH, Lithium. These types have varying construction and performance they are designed for repeated use. Rechargeable batteries commonly have what is known as a “steep discharge curve” when nearing depletion this can result in a very short interval between battery alarms and depletion which users should be aware of. Consideration should also be given how to manage rechargeable batteries and when they should be replaced, battery chargers that cycle a battery and measure its capacity can help to identify batteries that should be replaced.

Dimensions

9V PP3 battery dimensions vary and can result in movement within the battery housing with possible loss of connection. If a battery within the T34™ housing appears loose careful adjustment of the battery connections (adjustment to move outward into the compartment) maybe required as identified in figure 1.0.

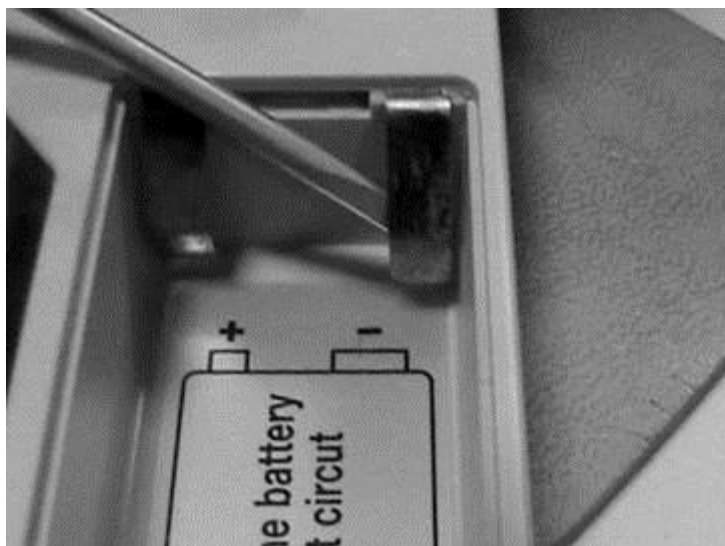


Figure 1.0

Battery performance may vary from manufacturers and with battery composition, the above is to identify considerations when selecting a battery for use with a T34™.

If you have any further questions or enquiries, please contact the Technical Helpdesk on 01253 206719.