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Technical Information

Flight Simulator DACs

A typical Flight Simulator built in the late 1970's, the 1980's and the early 1990's incorporated many digital-to-analogue convertors (DAC's). Most of the DAC's used have been out of production for some time now. They had a tendency to either "lose bits" or become non-linear and so there has always been a need to replace these.

A range of pin-compatible, functionally equivalent replacements were developed by a company called TechnoSim in the UK and were used by many simulator owners or service providers. Unfortunately TechnoSim ceased to exist following the sudden death of the owner, David Gibson. We at MassCare Ltd were a customer of TechnoSim, using the DAC's in a different field. We inherited the technical property of TechnoSim and are now looking to expand our presence in the field of Flight Simulator Support.

In particular we have developed the knowledge necessary to build two specific DAC's which are commonly used. These are:

MassCare DAC9377-16R which replaces the Sipex DAC9377-16-6 (and -4), widely used by TTSL, (Mianda and Clianda cards), HRSL, McDonnell-Douglas and others;

MassCare DA100113-01 which replaces MN900116 and several other discontinued devices used by Singer-Link

We at MassCare have been building and supplying these to a small number of companies and are now confident to expand this section of the business. If you feel that we may be able to help you then please do not hesitate to get in touch by email or telephone. We do have specification sheets available to allow you to confirm that our products are equivalent to the originals.