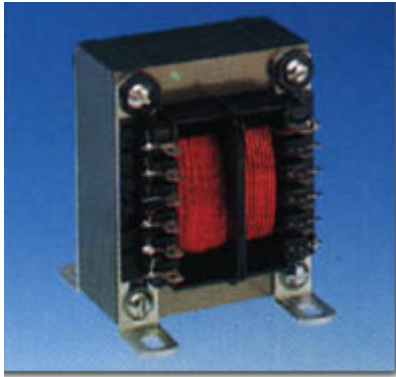


Transformer Isolates Patients from Shock

The Tranquility MP.r nasal CPAP System, manufactured by Healthdyne Technologies, Marietta, GA, provides a comfortable and convenient means of treating obstructive sleep apnea syndrome. While designing the system, Healthdyne engineers took into consideration, along with high performance and reliability, low manufacturing cost and marketability overseas. The latter two factors greatly influenced the types of components specified into the system.

The transformer, integrated into the Tranquility MP.r nasal CPAP System, is used to isolate the patient from hazardous electrical shocks by ensuring that no direct connection exists between the patient and power ground. Healthdyne chose the All-4-One International Series of transformers, supplied by Signal Transformer, Inc., Inwood, NY, because they satisfied the price/performance and regulatory considerations that Healthdyne required in order to fulfill the company's goals.



The All-4-One series transformers meet all U.S. and international standards, such as UL, VDE, TUV, IEC and CSA. In addition, because of their unique dual-bobbin design, the transformers help save Healthdyne costs by eliminating the need for anchor and insulating tapes, as well as wire crossover and insulating pads. The dual-bobbin construction includes an overall insulating shroud. This construction provides high isolation (4000 VRMS) and low leakage current. In addition, the transformer is made of a highly stable, high-temperature material that meets UL flammability requirements.