



Electromagnetic Compatibility at the Mains Ports for Medical Equipments

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Abstract. The paper presents the retro fitting EMI (electromagnetic interference) filtering measures applied on medical equipments, in this particular case on the four cells galvanic bath **ATM-31**, produced by Datronix Computer, Romania, in the attempt of achieving electromagnetic compatibility compliance for this product.

Due to the specificity of medical equipments, EMI mains filtering must meet more restrictive safety conditions, as it is presented in the paper, making impossible the use of ready-made typical commercial EMI filters.

Keywords

Surge and transient immunity, leakage current, electromagnetic immunity, electromagnetic emissions, Ni Zn ferrites, EMI filters

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