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Test methods for time recorders

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Business Machine and Information System Industries Association (JBMIA)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS B 9514 : 1990** is replaced with this Standard.

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Test methods for time recorders

1 Scope This Japanese Industrial Standard specifies test methods for the performance of time recorders.

A time recorder means an equipment which carries out print outs, maintenance, transmission, etc. of the time data corresponding to such operations as insertion of time card, input by key, and the like.

2 Test conditions The tests of time recorders shall generally be carried out under the service conditions stated below:

- a) **Power supply** The power supply shall be at the rated frequency and the rated voltage.
- b) **Test environment** The temperature shall be $(20 \pm 5) ^\circ\text{C}$ and the humidity shall be $(60 \pm 10) \% \text{RH}$.
- c) **Method of use** The time recorder shall be operated as specified in the catalogue, specifications or instruction manual.
- d) **Consumables** The consumables assigned by the catalogue, specification or instruction manual shall be used.
- e) **Reference card** The cards used for tests shall be those assigned by the catalogue, specification or instruction manual or those at least equivalent thereto.

3 Test items

3.1 Performance test items The performance tests of time recorders shall be carried out as follows:

- a) Starting test
- b) Working test
- c) Continuous operation test
- d) Clock accuracy test
- e) Clock time printing test
- f) Programming function test
- g) Memory retention test
- h) Service interruption compensation test

3.2 Safety test items The safety tests of time recorders shall be as follows:

- a) Voltage fluctuation test
- b) Power consumption test
- c) Leakage current test