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NATIONAL METROLOGY VERIFICATION REGULATION OF THE PEOPLE'S REPUBLIC OF CHINA

JJG 1076-2012

Verification Regulation of Verification Equipment for Traffic Loop-based Speed Meters

机动车地感线圈测速系统检定装置

(English Translation)

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Introduction

This procedure based on JJF1002-2010 "national verification procedures write rules", JJF1001-1998 "Tong Metering terms and definitions ", JJF1059-1999" Evaluation and Expression of Uncertainty in Measurement ", JJF1094-2002 "Measuring instrument characteristics assessment" and other basic family of specifications developed.

Vehicle speed sense coil system verification test procedures means

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1 Scope

The order applies to the sense by changing the vehicle speed and the sense coil system verification device inductance coil principle (Hereinafter referred to as "verification unit") the initial verification, subsequent verification and the use of checks.

2. References

This procedure references the following documents.

JJG 180-2002 electronic measuring instruments within the quartz oscillator JJG 527-2007 vehicle speed automatic monitoring system for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest version (including all repair orders) applies to this procedure.

3 terminology and units of measurement

3.1 Trigger

By a wire wound or hollow core toroidal coil for sensing and sense coil excitation subject.

3.2 trigger triggersignal Verification issued by the host device, the signal generated by the flip-flop, in order to simulate the vehicle speed.

3.3 Interval timeinterval the time between two trigger signals.

Distancebetweencoils 3.4 distance between the sense coil Coil mounted on the same lane, according to the direction of travel of the vehicle, adjacent edges of two coils (i.e., vehicle the vertical distance to go through the edge) between.

3.5 analog speed simulationspeed when the distance between adjacent coils being determined by measuring the time interval between their respective trigger signal derived ratio.

4 Overview

Test device to simulate the speed and distance needed to set a given sense coil between the respective trigger signal derived Intervals. The principle of electromagnetic induction trigger signal is transmitted to the sense coil speedometer, thus simulating the bus Traveling speed vehicle.

Verification by the host device and flip-flops for more than two and a sense coil vehicle speed automatic monitoring System simulation test speed error.

5 metering performance requirements 5.1 1s frequency stability

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