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AUTOMATED VIDEO SYSTEM INSTRUMENTS TEST AND CALIBRATION

BY

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Abstract. The video-automated system proposed for the measuring devices calibration allows removing the constraint regarding the existence of communication digital interfaces. The system's architecture is based on equipment's display image acquisition, equipment under calibration and image's processing through advanced virtual instrumentation techniques. The automated calibration supposes, on the one hand, the utilization of specialized calibration management software, and on the other hand, the existence of the possibility of interfacing with the computer of the calibrator as well as of the calibrated equipment.

Keywords: metrological calibration, virtual instrumentation, optical characters recognize, SCPI code