

Efforts toward the real-time strong motion observation system for CEORKA

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The Committee of Earthquake Observation and Research in the Kansai Area (CEORKA), which is arraying stations throughout the Kansai district, tackle the problem of construction of the real-time strong motion observation system as a part of consideration for the speed-up and improvement in seismic intensity prediction accuracy of the Earthquake Early Warning system using on-site information. To carry out into practice the construction of the system, we newly-developed low cost data logger (KS-002D), which can send observed data in real-time. One of the expecting specifications of the data logger is to have eight input channels. This enables us to record all velocity signals, both of high and low gain channels, outputted from the existing strong motion seismograph. Currently, we are testing observation system using the developed data logger at several sites of the CEORKA and of the Geo-Research Institute, which is the secretariat of CEORKA. This study was supported by research grant from the Kansai Research Foundation for technology promotion (KRF).

Keywords: Earthquake Early Warning, Strong Motion Observation, Real Time, Data Logger