

**ENV 28041:1993****Human response to vibration - Measuring instrumentation (ISO 8041:1990)**

This Standard specifies instrumentation for a method of measurement of vibration in a given frequency range, given in ISO 2631-1 for assessing the vibration as perceived by human beings. It applies to instrumentation for the measurement of hand-arm vibration and/or whole-body vibration. This Standard specifies electrical, vibration and environmental tests to verify compliance with the characteristics specified. It also determines the method for sensitivity calibration. The purpose of this standard is to ensure consistency and compatibility of results and reproducibility of measurements realized with different measuring instrumentation using this method of measurement. An instrument or an instrument collection may be realized which fulfils only the necessary requirements for measurement of hand-arm or whole-body vibrations under certain conditions, for example in the z-direction, provided that the purpose is clearly stated and pertinent requirements of this Standard are fulfilled. In conjunction with spectral analysis, proper filter characteristics shall be applied.