

Method for determination of specific values of amplitude-phase characteristic of all-mode centrifugal controller of frequency of rotation of crankshaft of tractor diesel engine includes setting frequency of rotation of roller of controller, connection of lever for controller control to simulator of harmonic vibrations and registration of vibration of control lever and positioning device of fuel pump. To increase accuracy controller is preliminarily connected to engine that is brought in sequence to idling mode and rated frequency of rotation so that roller of controller comes to given frequency of rotation. After that dosing device is connected to simulator and one registers its vibrations as reaction on forced harmonic vibrations of frequency of rotation of crankshaft.