

OTM

The over speed simulator / tester

True check of engine over speed safety device



True Check of speed pickups + safety electronic



Fully free programmable



Ready for plug in (incl. customized adapters)



Incl. check of output plausibility



Simulating of over speed on idle incl. concurrent pickup test



The check of over speed safety devices on marine and power plant engines with more than 220 KW must be done once per year by rules of the classification societies.

Check your engine without risk of engines damages. No need to run the engine with over speed rpm to check your safety device.

Over speed simulation can be done even on engine still stand. Check your main engine safety device even at harbour operation!

The **OTM tester** will check your safety device at still stand or idle speed. Incl. the pickup checks as well as the true checks of the switching level of the electronic cards.

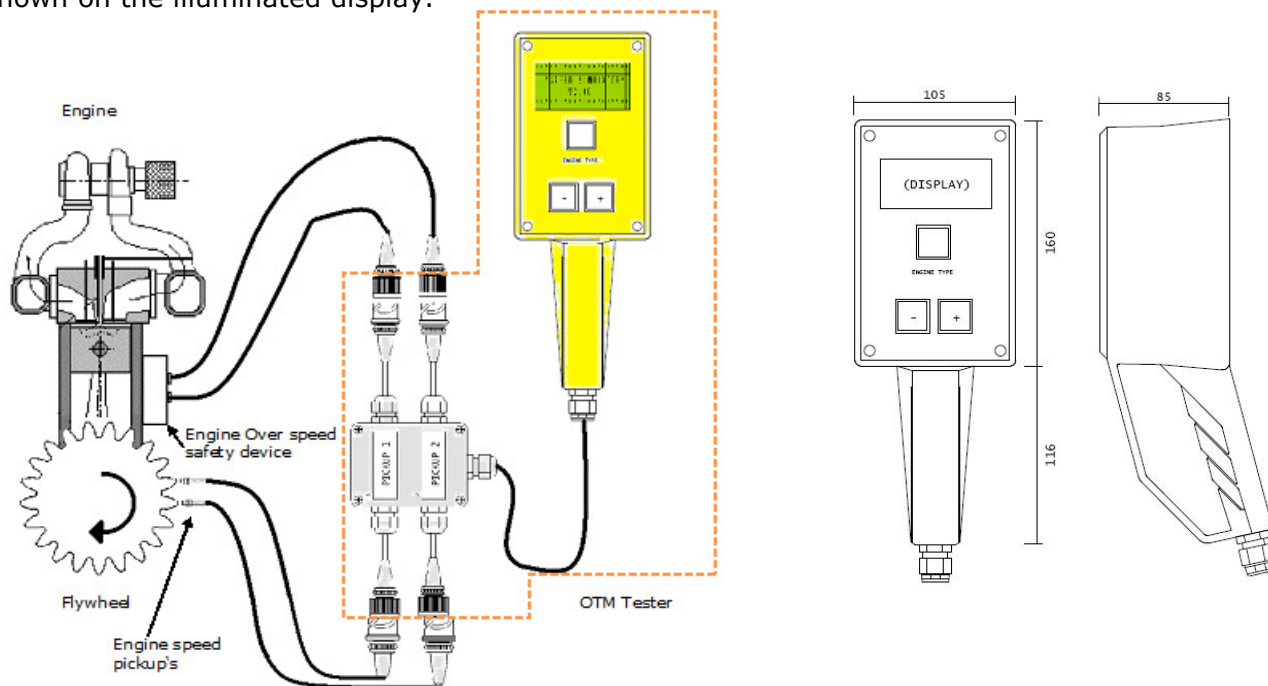
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Simply connect the OTM in serial to the rpm pickups with the adaptors (in the scope of supply). The **OTM tester** is operated by 3 buttons and is powered by the engine electric. The measured values are shown on the illuminated display.



How the over speed test is done with the OTM

- shut down the electrical power of the engine
- unplug the speed pickups by loosen the plugs
- connect the OTM by use of the connection box (customized for every engine type) in serial in between the loosen plugs and sockets from the engine pickups
- make sure that **no rotating part's** are touching cables etc.
- choose the adequate engine setup in the OTM (see manual)
- start the engine (for over speed and concurrent pickup test)
- read the incoming pulses from the speed pickups on the OTM display
- simulate over speed by use of the + / - buttons on the OTM
- see at which Rpm simulation the safety system is shutting down the engine and compare it with engine makers instructions (equivalent test can be done for firing and start RPM etc.)
- if necessary adjust the over speed safety device acc. to engine makers instruction and repeat the test

the picture shows the OTM Tester cpl. with adaptors and cables (incl. in the scope of supply)



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