

Allweather

VacuumMate

# VacuumMate Allweather

The professional's choice  
Water- and shock-resistant  
3-in-1 multi-function tool

- Intake synchroniser,
- Dynamic fault analyser,
- Tachometer.

## VacuumMate Allweather

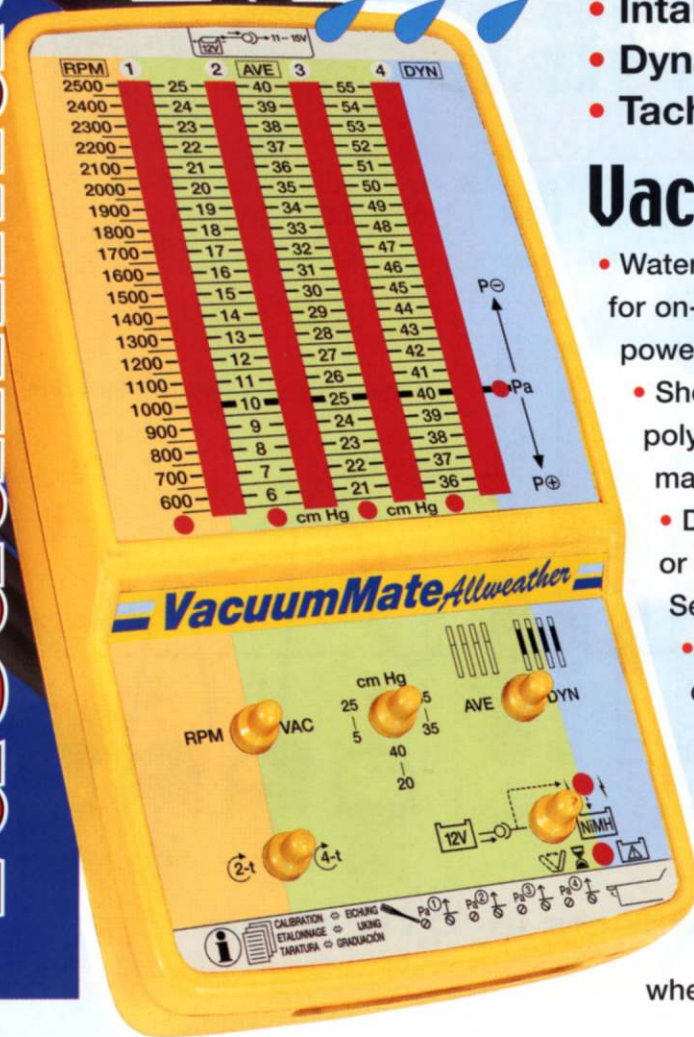
• Water-resistant & buoyant with bright holder for on-board use on outboards or outdoor use on powersports vehicles.

- Shock-resistant composite-moulded polyurethane and polycarbonate casing for maximum strength and resilience.
- Drop-proof. Far tougher than dial gauges or any other synchronising system.

Self-calibrates for barometric changes.

- Powered by any 12V vehicle or boat battery or 12Vdc adapter. "Low battery" or "wrong input power" warning LED.

- Optional rechargeable model has internal 1,5Ah 7,2V NiMH battery pack with 6 hours autonomy. Battery power conserved by auto-switch-off 5 minutes after last being used. LEDs use full battery power only when measurements are being taken.



1. Use the **RPM** mode for the essential adjustment of the engine speed to the correct value before and after synchronising. 2- or 4-stroke switch allows correct tach readings on both engine types. No need for a separate instrument or having to rely on vehicle tachometers, usually inaccurate at low engine speeds.
2. Then accurately synchronise the average intake vacuum ("AVE" mode) of up to 4 carburetors / throttle valves. Precise 0,5 cm mercury (Hg) resolution on all scales.
3. If synchronising seems difficult to achieve, flick the selector switch over to the "**DYN**" (dynamic) mode for an immediate visual check for correctly functioning valves & engine seals or intake blockages. Correct synchronisation is not possible in the case of defective valves or seals or restricted air intake.

See over leaf for more on these 3 functions, explained in detail in the user manual.

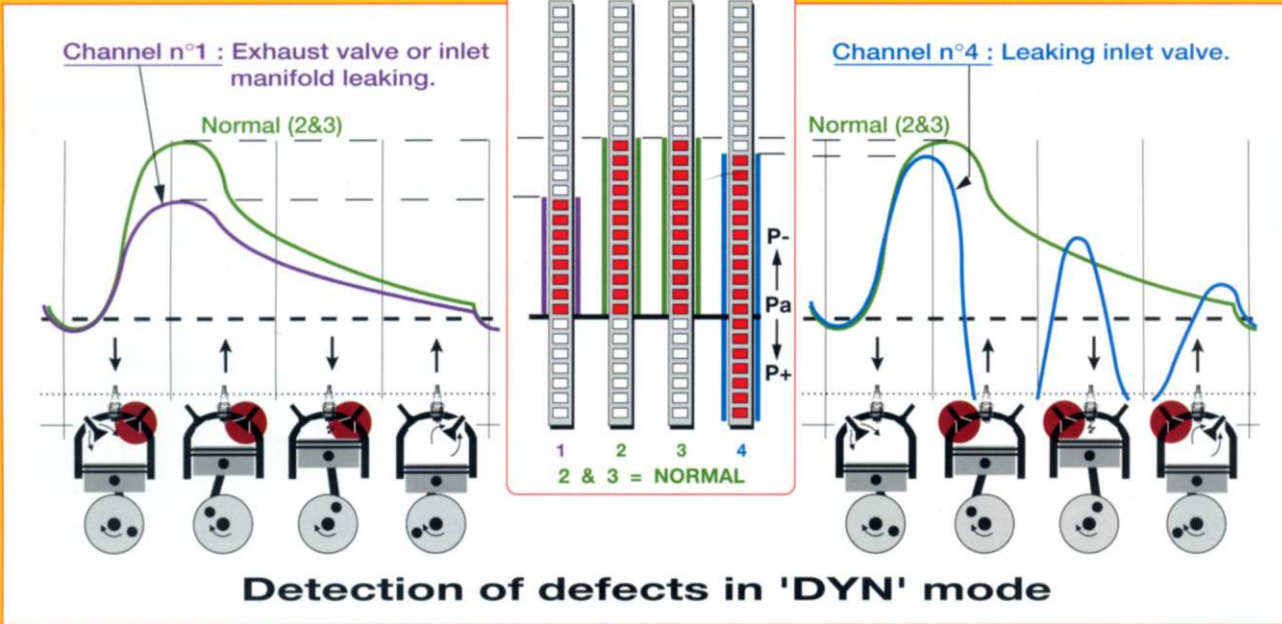
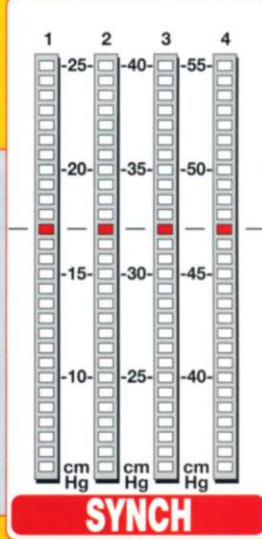
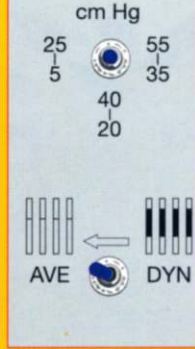
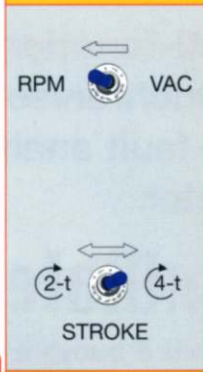
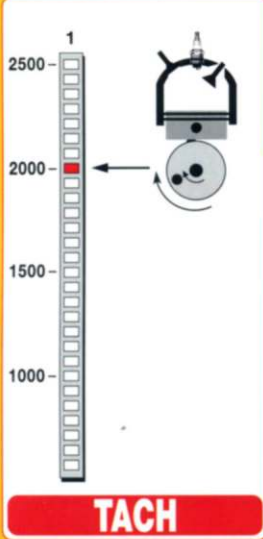
- Bright, easily read and instantly reacting LED-arrays display average intake vacuum in familiar "column" format.
- 3 overlapping scale ranges 5-25, 20-40, 35-55 cm Hg in "AVE" mode for convenient practical application.
- Flick the switch to check RPM on channel 1 and flick to VAC to display accurate vacuum readings.
- Auto-ranging "DYN" scale setting automatically adjusts for optimal precision in dynamic analysis of engine sealing defects.
- No fragile glass. No toxic mercury. No mechanical friction or inertia. No calibration hassles.
- Kit includes custom travel case, battery cord-set, T-connector & 2 full sets of unique "flexi-rigid" connection adapters.
- Recommended by major motorcycle and outboard motor constructors in many countries. (Ask for details).
- Go to [www.tecmate-int.com](http://www.tecmate-int.com) for details on this and other tools.
- The **StandMate** special workshop stand (with optional auxiliary fuel tank, illustrated) allows easy hands-free use.



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## 3 in 1



### Legend

- External battery connection cord-set
- Flexible replaceable santoprene hoses heat & chemical resistant
- 2 sets flexi-rigid adapters allow connection around obstacles
- 4 LED-array displays visible in daylight
- 3 graduated «AVE» mode scales with 0.5cm Hg resolution
- RPM scale, 500 – 2500 RPM
- Low battery warning LED
- Function switch RPM/VAC
- Scale range switch, AVE mode
- Function switch AVE/DYN
- RPM selector switch for 2-stroke/4-stroke engines
- Custom storage, carry-case
- Internal battery selection switch & LED (& reset «ON» marine model).
- «StandMate» option, (ref. IMSTAND).

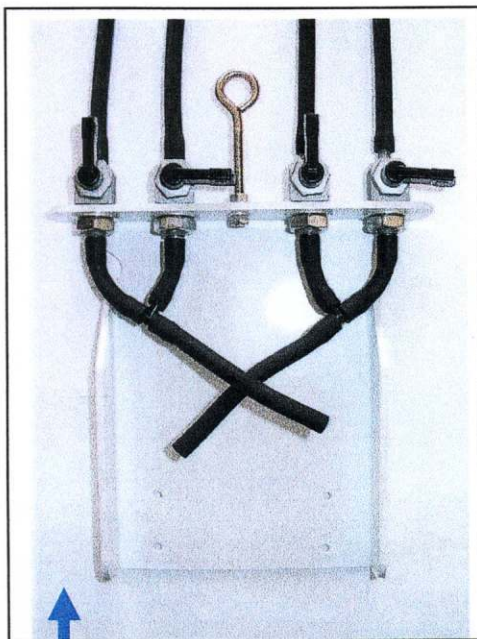


Optional Extra



## The Channel expanding adapter VMR6-4CHAD

allows more convenient synchronising of 6-cylinder outboard & motorcycle engines.



Adapter before fitting

Adapter fitted

Fitting instructions :  
see over leaf

