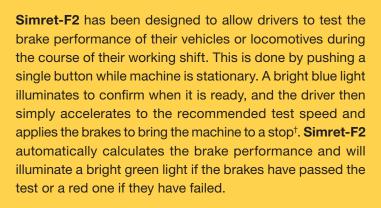
Turnkey Instruments Ltd



Simret F2

In cab brake tester with Bluetooth

- Permanently fitted for daily driver brake testing
- One button brake test with pass-fail indicator
- Adjustable pass level and lifetime to suit vehicle
- SD memory card for long term storage
- Automated results upload via Bluetooth
- Suitable for heavy vehicles and locomotives
- Small size 150 x 80 x 60mm, easily fitted in-cab



The pass-fail lights will remain illuminated (whenever the vehicle is running) for a preset period between 1 hour and 10 days. The driver should retest the brakes when the lights go out. Additional repeater lights can be fitted to the outside of the vehicle to indicate to management that it has been tested recently.







Simret F2 switches itself on automatically and brake tests can be repeated as often as required.

Simret F2 is ideally suited for the brake ratio method of brake testing, recommended as best practice in the latest 'Guidance on brake testing for rubber-tyred vehicles operating in quarries, open cast coal sites and mines' (published in May 2007 by EPIC in conjunction with OPERC and the UK Health and Safety Executive, ISBN 978 0 947974 62 6).

An encapsulated bi-axial deceleration sensor measures the deceleration of the vehicle together with any sideways pull during brake testing. This sensor can be located at any convenient location in the vehicle and communicates digitally with the control box.

Servicing and maintenance is quick and straight forward. The sensor is factory calibrated and is simply exchanged for a newly calibrated one each year. The lights on the control box flash to warn when calibration is overdue.

Results are saved in a high capacity SD memory card that can be exchanged at intervals to upload the vehicle's brake

test history. The card has sufficient capacity for over 100 years worth of daily brake tests. Brake test results can also be uploaded wirelessly via Bluetooth, and the option is available to upload these automatically as the vehicle is parked for maintenance.

An internal battery allows an engineer to configure the instrument and upload without turning on the vehicle power. The engineer's controls and SD memory card are located behind a secure panel and give the engineer access to the same functionality as our Simret 4000 brake tester.

Suitable for 9 Volt to 36 Volt systems, negative earth only.

[†] Always use a safe and designated test area for brake testing.

Turnkey® is a trademark registered with the EU, USA and WTO.









Feature Summary

Sensor	TA03 remote accelerometer, encapsulated to IP68
Range	0 to 100% g with multi- point calibration
Accuracy	Better than ±2%g
Calibration interval	Annual with overdue warning
Brake trigger	Automatic, optically isolated from vehicle brake circuit.
Driver control	Single push button
Pass Fail indicators	Sunlight readable, user defined pass threshold and lifetime
Engineer's display	Graphical LCD with backlight. 128 x 64 pixels

Memory	4Mb internal 2GB removable SD Card
Bluetooth	Class 1, range up to 10 metre
Internal battery	3.6 Volt, NiMH rechargeable
Vehicle supply	9 Volt to 36 Volt negative earth
Size	150 x 80 x 60 mm
Weight	2 kg
Case	Heavy gauge steel case with security panel

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