

GTC605

Fuel Injection Analyzer

Quick, powerful and easy to use

- ▶ Select the fuel injection system to be measured
- ▶ Select the measurement type
- ▶ Select the display format
- ▶ Hold the sensor against the injector to be measured
- ▶ The GTC605 will automatically detect and adjust all parameters to provide accurate measurements and clear graphics

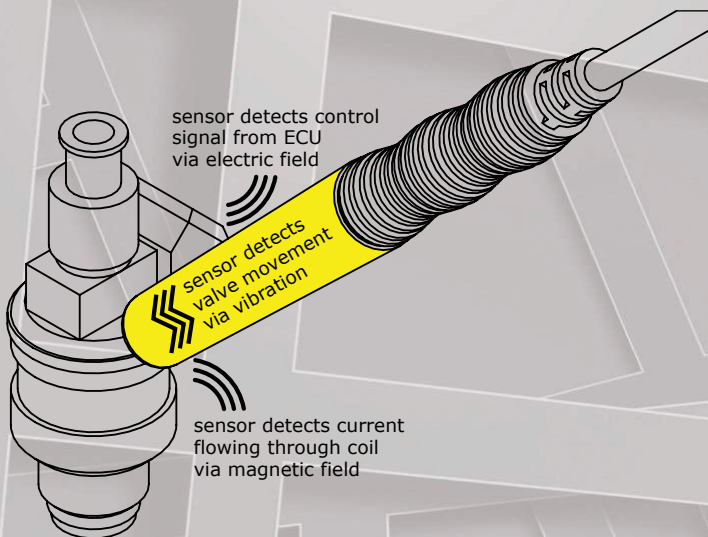
Displays and measures

- ▶ Voltage and current waveforms in real time
- ▶ Maximum and minimum readings
- ▶ Real-time charts of performance parameters
- ▶ Injector opening delay
- ▶ Injector closing delay
- ▶ Injector coil kick voltage
- ▶ Injector open time

Useful for troubleshooting:

- ▶ Rough-running engines
- ▶ Lean or rich combustion issues
- ▶ Non-starts
- ▶ Misfires
- ▶ Intermittent problems

 Product designed and manufactured in Canada



How it works

The patented GTC605 sensor combines three different detection capabilities, one for the control signal from the ECU, a second for the solenoid coil or piezoelectric current, and a third for the mechanical movement of the fuel injector's pintle or valve.

The GTC605 handheld receives the three signals, then analyses and processes all of the information and displays measurements and waveforms allowing the user to identify if and when an injector is having issues such as a fault in the coil or piezoelectric, fouling in the mechanism, or a bad control signal.

In cases, like in mechanical injectors when electrical signals are not present, it will measure and show the pintle or valve movement.

Technical specifications

- **Display:** 3.5" color IPS LCD (320x240 pixels)
- **Fuel injector sensor:** Active type, 14 mm x 69 mm
- **Power source:** Rechargeable 18650 LiFePO4 battery
- **Battery life:** 4.5 hrs of continuous operation
- **BNC Connector:** 6 VDC, 10 mADC
- **Charging connector:** USB Type-C compatible receptacle
- **Power saving:** Automatic power off
- **Physical dimensions:** 166 mm x 99.5 mm x 33.5 mm
6.5"(H) x 3.9"(W) x 1.3"(D) - (without probe)
- **Weight:** 325 g or 11.5 oz (without probe)

Fuel Injectors compatibility

- Mechanical: Jerk, cam and valve injectors
- Solenoid: Manifold, multi-port and direct injectors
- Piezoelectric: Direct injectors

RPM measurement

- Range: 400 to 9,999 RPM
- Resolution: 1 RPM
- Accuracy: $\pm 0.5\%$ + 1 LSD

Injector on time

- Range: 0 to 30 ms
- Resolution: 0.05 ms
- Accuracy: ± 0.05 ms + 1 LSD

Injector open time

- Range: 0 to 30 ms
- Resolution: 0.05 ms
- Accuracy: ± 0.05 ms + 1 LSD

Injector open delay

- Range: 0 to 30 ms
- Resolution: 0.05 ms
- Accuracy: ± 0.05 ms + 1 LSD

Dwell time (spark plug wire)

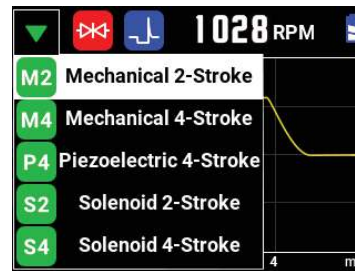
- Range: 0 to 30 ms
- Resolution: 0.05 ms
- Accuracy: ± 0.05 ms + 1 LSD

GTC605 set includes:

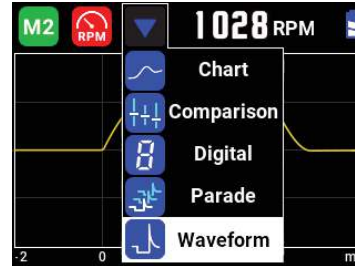
- GTC605
- Three-channel sensor
- 1 m (39.4") Grounding wire with alligator clip
- 2.10 m (82.6") coaxial sensor cable
- USB Type-C cable
- USB Type-C to Type-A adaptor
- Protective rubber holster
- Hard carrying/storage case
- User's manual
- 1-year parts and labor warranty

General Technologies Corp. #121-7350 72nd Street Delta, BC V4G 1H9 - Canada
Toll Free: 800-440-5582 / Tel: 604-952-6699 / Fax: 604-952-6690 www.gtc.ca / info@gtc.ca

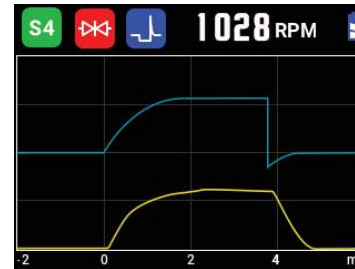
"GTC" is a registered trademark of General Technologies Corp. - © 2016-2026 General Technologies Corp.
01/01/26



Works on solenoid, piezoelectric and mechanical fuel injectors.



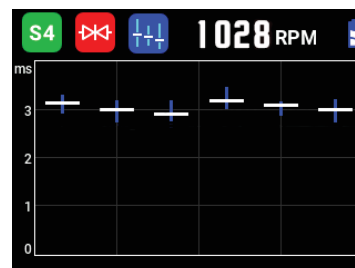
Selectable view of all measurement modes as chart, compare graph, analog gauge / digital readout and waveforms.



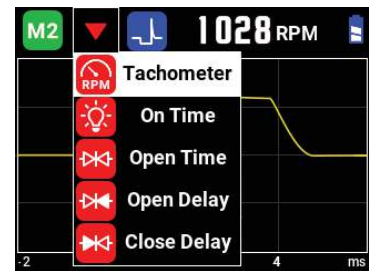
Displays injectors current and pintle valve position.



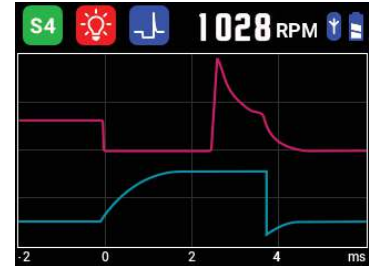
Analog gauge, digital readout with maximum and minimum.



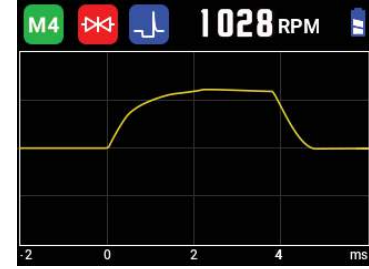
Candle stick graph compares maximum, minimum and average measurements of several injectors.



Displays and measures RPM, on time, open time, open delay and close delay.



Displays injectors control voltage and current.



Displays mechanical injectors pintle valve position.

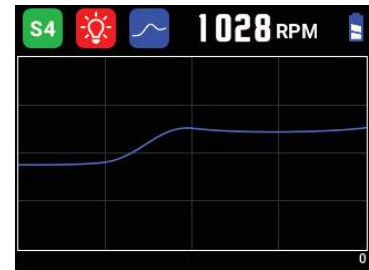
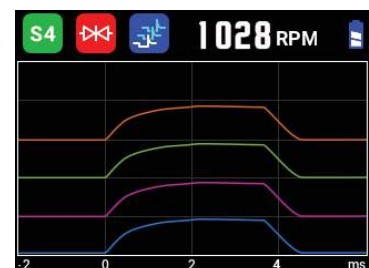


Chart mode used for detecting intermittent or infrequent failures and misfires.



Parade view allows for the comparison of up to 4 fuel injectors.

GTC
WWW.GTC.CA
Printed in Canada