

GTC605

Fuel Injection Analyzer

Find fuel injector problems quickly

 Designed and
manufactured in Canada

Test solenoid,
piezoelectric and
mechanical fuel
injectors

Detects,
measures and
displays
control signal,
injector power,
and pintle valve
motion

Check the injectors'
mechanical performance
without removing them
from the engine

Identify sluggish or dead injectors

For diesel, flex-fuel, gasoline and LNG engines



Technical Specifications

- ▶ Display: 3.5" TFT LCD, 320 x 240 pixels resolution
- ▶ Update rate: Up to 30 times per second
- ▶ Fuel injector type: Solenoid, piezoelectric and mechanical
- ▶ Engine cycle: 2-stroke or 4-stroke
- ▶ Sensor: Three-channel for detection of control voltage, injector power (current) and pintle valve motion
- ▶ Sensor dimensions: 0.57" (D) x 2.74" (L) / (14.4 x 69.7 mm)
- ▶ Sensor cable: 83.5" (212 cm) long coaxial cable with BNC and barrel connectors
- ▶ Power source (internal): 3.2 volt/1500 mAh, rechargeable LiFePO4 battery
- ▶ Battery life: Up to 5 hrs of continuous operation
- ▶ Power saving: Automatically powers off after 3 min. of inactivity
- ▶ USB connector (input): Micro USB (5 Volt / 0.5 amperes DC)
- ▶ Physical dimensions: 6.5"(H) x 4.9"(W) x 1.4"(D) or 165 mm x 124 mm x 36 mm (without probe)
- ▶ Weight: 14.8 oz or 420 g (without cable and sensor)

RPM measurement

- ▶ Range: 400 to 9,999 IPM
- ▶ Resolution: 1 RPM
- ▶ Accuracy: $\pm 0.5\% + 1 \text{ LSD}$

On time

- ▶ Range: 0 to 30.0 ms
- ▶ Resolution: 0.05 ms
- ▶ Accuracy: $\pm 0.1 \text{ ms} + 1 \text{ LS}$

Open time

- ▶ Range: 0 to 30.0 ms
- ▶ Resolution: 0.05 ms
- ▶ Accuracy: $\pm 0.1 \text{ ms} + 1 \text{ LS}$

Opening delay (dead time)

- ▶ Range: 0 to 30.0 ms
- ▶ Resolution: 0.05 ms
- ▶ Accuracy: $\pm 0.1 \text{ ms} + 1 \text{ LS}$

Closing delay

- ▶ Range: 0 to 30.0 ms
- ▶ Resolution: 0.05 ms
- ▶ Accuracy: $\pm 0.1 \text{ ms} + 1 \text{ LS}$

GTC605 set includes:

- ▶ GTC605
- ▶ Sensor cable
- ▶ Three-channel sensor
- ▶ USB micro cable and AC charger adapter
- ▶ Protective rubber holster
- ▶ Hard carrying/storage case
- ▶ User's manual
- ▶ 1 year parts and labor warranty



Works on solenoid, piezoelectric and mechanical fuel injectors.



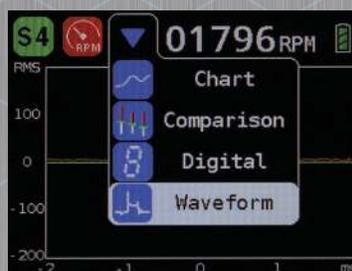
Displays signal voltage, injector power and pintle valve position.



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



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



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



Analog gauge, digital readout and signal status indicators.



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

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