



FuelTech

FT600

FuelTech

PERFORMANCE IN YOUR HANDS!

FuelTech is a technology company that specializes in developing and manufacturing state of the art engine management systems for high-performance engines. Driving the innovation is an elite staff that accelerates FuelTech to the forefront of cutting edge technology. This ensures high quality products backed by industry-leading technological advancements.

From its painless installation to real time tuning in just hours for most applications, the product line's significant advantage is its overall simplicity. The PowerFT ECUs incorporate an interactive touchscreen display that allows the user to have full control of all features and tuning parameters without the need of a PC, emphasizing the on-the-fly, do-it-yourself concept. FuelTech's craftsmanship and technology is built on extreme performance with the proof coming from where it matters most, at the race track.

FuelTech's record-breaking results occur through a wide variety of racing disciplines such as Sportsman, Pro Drag Racing, Road race, Off-Road, Rally Racing, Motorbike, and Off-Shore/Marine. Top performers in those segments testify to the company's commitment in achieving the best results in any discipline the group focuses on. It is through these professional relationships and highly demanding environments that the products have evolved and changed the ECU market across the globe.

The R&D team worked extensively with US-based racing teams to develop the latest line of PowerFT ECUs—FT600, FT550, and FT450. A team of racing experts worked hand-in-hand with the FuelTech software engineers, hardware engineers, and designers to deliver a product line that fits anything from a Go Kart or a Jet Ski, all the way up to an alcohol-burning Pro Modified that makes over 5,000 horsepower! The company has made thousands of dyno pulls, excessive amounts of trips to the track, and spent countless R&D hours to develop a feature-rich product line that FuelTech is proud to offer its customers.

It has been nearly two decades since FuelTech began designing products and today, it offers a wide-range of ECUs, ignition components, and other high-tech products for high-performance vehicles. Success on and off the track is the reason you're seeing #FuelTechEverywhere

SUMMARY

- 03 ECUS
- 14 CONTROLLERS
- 18 METERS AND LOGGERS
- 21 IGNITION
- 25 SENSORS AND ACCESSORIES
- 33 HARNESSES
- 36 FT APPAREL



ECUS

Engine management systems to control fuel and ignition. Built-in dashboard, power management and a lot more! Perfect for motorsport cars, boats, motorcycles, jet-skis, etc.





FuelTech FT600

FuelTech FT600, the next level in electronic fuel injection!



Color touchscreen TFT – non reflective

Extreme PERFORMANCE

FT600 is FuelTech's most advanced engine control and monitoring system. It is an ECU, dashboard, data acquisition and power management system.

POWER ECU FT

- ECU & Dashboard in a single product
- Up to 4 customizable dashboard screens available
- Sequential injection for up to 32 injectors
- Sequential ignition for up to 16 coil on plugs
- New 2-step hi-res power management strategy
- G Meter and Gyro
- Drag Racing features
- Power management
- Closed Loop O2 Control
- Nitrous control
- Customizable splash screen
- Datalogger
- User-friendly interface
- USB
- Custom emblem
- Custom flash drive
- And much more!

 Active traction control	 Electronic throttle control	 O2 closed loop	ECU: #4009
 256 channel internal datalogger	 Integrated BoostController	 Flat shifts using strain gauge sensors - GearController	10ft blank harness: #4001
			20ft blank harness: #4003

FT550

It is an ECU, dashboard, data acquisition and power management system.



Up to 4 customizable dashboard screens available



Virtual LEDs

Color touchscreen TFT – non reflective

Updates, data and map downloads through USB communication



Mounting System included

14 configurable inputs

IP67 Waterproof

Automotive connectors

24 outputs

ECU:	#5496
10ft A harness:	#5569
10ft B harness:	#5571
20ft A harness:	#5570
20ft B harness:	#5572



256 channel internal datalogger



Electronic throttle control



Integrated BoostController



Active traction control



O2 closed loop



Integrated GearController

- Sequential injection for up to 24 injectors
- Sequential ignition for up to 12 coil on plugs
- Built-in accelerometer
- New 2-step hi-res power management strategy
- Customizable splash screen
- FuelTech emblem
- And much more!

Updates, data and map downloads through USB communication

Mounting System included

Virtual LEDs

Color touchscreen TFT – non reflective

IP67 Waterproof

Automotive connectors



Up to 4 customizable dashboard screens available

ECU: #5384
 10ft blank harness: #5569
 20ft blank harness: #5570

FT450

- Sequential injection for up to 10 injectors
- Sequential ignition for up to 5 coil on plugs
- Customizable splash screen
- Idle speed control by timing, PWM valve or ON/OFF valve

- Up to 4 customizable dashboard screens available
- And much more!



256 channel internal datalogger



Integrated Boost Controller



Active traction control



O2 closed loop

POWER ECU FT

FuelTech **EVE RY WHERE**

FT500LITE



Update, data and map downloads through USB

IP67 Waterproof

Automotive connectors

Mounting System included

ECU:	#5613
10ft A harness:	#5569
10ft B harness:	#5571
20ft A harness:	#5570
20ft B harness:	#5572

- Sequential injection for up to 24 injectors
- Sequential ignition for up to 12 coil on plugs
- Built-in accelerometer
- New 2-step hi-res power management strategy
- FuelTech emblem
- And much more!



256 channel internal datalogger



Electronic throttle control



Integrated BoostController



Active traction control



O2 closed loop



Integrated GearController

POWER ECU FT

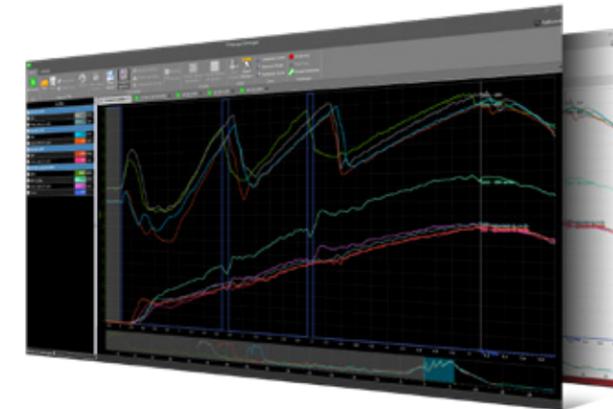


FTMANAGER

PC software for PowerFT line, configure all features, create and edit tunes, view Datalogger and Update ECU software and firmware

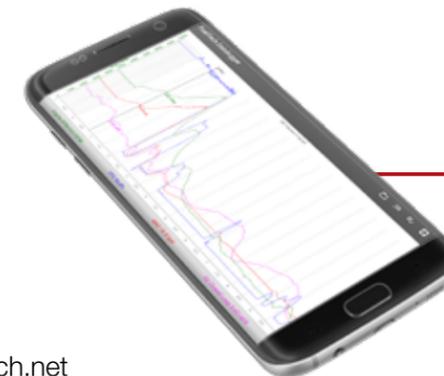
- Ignition table MAP x RPM (Advanced)
- Timing and fuel compensation by gear
- RPM/Speed based traction controls edition with overlay on the log

- Customizable table scaling and live cell tuning
- Fuel tables in ms, %VE (volumetric efficiency), %DC (duty cycle) and Fuel Flow (lb/hr, gpm or cc/min)
- Advanced time based controls with log and tune comparison tool
- Pro-Nitrous graphical representation
- Specific tables import tool from other tunes
- Map and configurations backup
- Download new software online FREE and update ECU to stay up to date with all new features



DATA LOGGER

- PowerFT line internal datalogger data download and analysis
- Log files comparison feature
- Mathematic channels to improve log analysis
- Overlay feature allows the customer to easily modify the cell that is used on the log file for Fuel, Timing, and Pro-Nitrous tables
- O2 Correction Overlay now allows the user to easily update their fuel map by applying the O2 closed loop corrections that were present in a log file
- Data export in CSV to embed in video or analysis on other software
- Fuel and ignition tables overlay feature for quicker tuning
- Improved log visualization with different background colors
- New mouse cursor for Datalogger
- RPM timeline for easier data analysis



DATA LOGGER APP

- The FuelTech Datalogger application is a log file viewer for your phone or tablet to the PowerFT line
- With it, you can simultaneously view up to 4 recorded channels, allowing a quick data analysis
- The status events are also available through the application, allowing you to easily check for errors while recording the log



		FT450	FT550LITE	FT550	FT600
SPECIFICATIONS	Piston engine control (cylinders)	1 ~ 8	1 ~ 12	1 ~ 12	1 ~ 12
	Rotary engine control (rotors)	2	2, 3 and 4	2, 3 and 4	2, 3 and 4
	Crank trigger input	●	●	●	●
	Sequential ignition	●	●	●	●
	Sequential fuel injection	●	●	●	●
	Individual fuel and ignition trim	●	●	●	●
	Simplified 2D fuel and ignition maps	●	●	●	●
	Advanced 3D fuel and ignition maps (table)	●	●	●	●
	Fuel injection time resolution	0.001ms	0.001ms	0.001ms	0.001ms
	Ignition timing resolution	0.1	0.1	0.1	0.1
	Fuel injection phase angle control	●	●	●	●
	Real time programming	Touchscreen + PC	PC	Touchscreen + PC	Touchscreen + PC
FEATURES	Diagnostic panel	●	●	●	●
	Dashboard	Touchscreen, up to 4 screens	●	Touchscreen, up to 4 screens	Touchscreen, up to 4 screens
	Customizable splash screen	●	●	●	●
	LEDs for progressive shift light	●	●	10	10
	LEDs for status indicator or alerts	4 - virtuals	●	4 - virtuals	14
	O2 closed loop	Advanced	Advanced	Advanced	Advanced
	Idle speed control	Idle by timing ON/OFF valve PWM valve	Idle by timing ON/OFF valve Step motor Electronic throttle PWM valve	Idle by timing ON/OFF valve Step motor Electronic throttle PWM valve	Idle by timing ON/OFF valve Step motor Electronic throttle PWM valve
	Electronic throttle control (drive-by-wire)	●	●	●	●
	Drag racing functions for power management	Advanced	Advanced	Advanced	Advanced
	2-step rev limiter	New strategy ^a	New strategy ^a	New strategy ^a	New strategy ^a
	Progressive nitrous control	Advanced	Advanced	Advanced	Advanced

a. Our new 2-step limiter utilizes timing retard and ignition cuts to spool turbos faster and make more boost. This new smoother control strategy also helps to prevent blower belts from snapping and premature wear on gear driven supercharger setups.

b. Allows compatibility with OEM sensors (including parallel connection with OEM ECU).

c. Channels are customizable, i.e., exhaust back pressure, suspension travel, exhaust gas temperature (requires EGT-8CAN or FuelTech ETM-1), fuel tank level, etc.f. Allows the use of the stock MAP sensor on a "plug and play" installation.

d. Mandatory use of a Peak and Hold driver.

e. Usually used to control high impedance injectors with no external driver needed (they also can be configured as auxiliary outputs).

		FT450	FT550LITE	FT550	FT600
FEATURES	Pro-Nitrous functions	●	●	●	●
	Mac Valve progressive boost control	Advanced	Advanced	Advanced	Advanced
	BoostController	●	●	●	●
	GearController	●	●	●	●
	Active traction control	●	●	●	●
	Customizable sensors parameters	● ^b	● ^b	● ^b	● ^b
	INPUTS AND OUTPUTS	Input channels	9	16	22
Configurable inputs		7 ^c	14 ^c	20 ^c	20 ^c
RPM signal input		Hall - Magnetic (differential)	Hall - Magnetic (differential)	Hall - Magnetic (differential)	Hall - Magnetic (differential)
Output channels		10	24	32	32
Configurable outputs		up to 10 (6 ^e +4 ^f)	up to 24 (4 ^h +12 ^e +8 ^g)	up to 32 (8 ^h +16 ^e +8 ^g)	up to 32 (8 ^h +16 ^e +8 ^g)
Injector outputs		up to 10 ^d (6 ^e)	up to 24 ^d (12 ^e)	up to 32 ^d (16 ^e)	up to 32 ^d (16 ^e)
Ignition outputs		up to 5 (4 ^f +1 ^g)	up to 12 (8 ^f +4 ^h)	up to 16 (8 ^f +8 ^h)	up to 16 (8 ^f +8 ^h)
DATALOGGER		Datalogger capacity	2h50min ⁱ	2h50min ⁱ	2h50min ⁱ
	Sample rate	1 ~ 200 Hz	1 ~ 200 Hz	1 ~ 200 Hz	1 ~ 200 Hz
	Configurable rate per channel	●	●	●	●
	Internal datalogger channels	up to 256	up to 256	up to 256	up to 256
HARDWARE	Chassis	Waterproof Plastic	Waterproof Plastic	Waterproof Aluminum	Waterproof Aluminum
	Integrated accelerometer and gyroscope sensor	●	●	●	●
	Automotive connector AMP SUPERSEAL 1.0	●	●	●	●
	Programming interface	Touchscreen + PC	PC	Touchscreen + PC	Touchscreen + PC
	Dash Display	TFT 4.3" Color	●	TFT 4.3" Color	TFT 4.3" Color
	FuelTech CAN network	1 - FTCAN 2.0	2 - FTCAN 2.0	2 - FTCAN 2.0	2 - FTCAN 2.0
	PC communication	USB ^k	USB ^k	USB ^k	USB ^k
	Weight	9.5oz / 270g	11.64 oz / 330g	11oz / 309g	20.7oz / 588g
	Dimensions	5.75 x 3.62 x 2.13 in	5.75 x 3.62 x 1.54 in	5.75 x 3.62 x 2.13 in	5.86 x 3.7 x 2.42 in

f. Usually used for ignition control (they also can be set up as injector outputs or auxiliary outputs).

g. When needed, blue output #6 can be used as ignition output #5

h. Usually used for stepper motor, electronic throttle, MSD/M&W and other ignitions activated by 12V.

i. For PowerFT line, the recording time was measured with 24 channels and 25Hz, for the rest of the line it was at 2Hz with the maximum number of channels.

k. PowerFT line use a common mini USB cable (included). The rest of the line demands the FuelTech USB-CAN Converter (sold separately).



CONTROLLERS

Advanced electronic controllers.



Code: #8062

6.5ft blank harness: #7186

PEAKANDHOLD PRO INJECTOR DRIVER

8-channels with protections, diagnostics and configurable current

- 8 channels
- 2 to 12 Amps Peak current
- 0.5 to 3 Amps Hold current
- CAN Communication
- Failure Diagnostics
- Configurable Protections
- Automotive connector
- Internal temperature sensor
- Relay trigger output
- Aluminum case
- Allows firmware updates (through CAN)



2A/0.5A: #3323
4A/1A: #3324
8A/2A: #3325

6.5ft blank harness: #0044

PEAKANDHOLD

4-channel low impedance injectors driver unit

- Current control driver for low impedance injectors
- 4-channel low impedance injectors driver unit
 - Available in three current versions: 2A/0.5A, 4A/1A and 8A/2A



FT Input Expander: # 7764

10ft Harness: # 7754

FT INPUT EXPANDER

Ran out of inputs? Here is what you need

- Input expander module for PowerFT line
- 20 analog inputs
- 4 differential inputs
- CAN network communication
- 34-way automotive connector



8 mini: #0302

5 mini: #0301

SWITCH PANEL

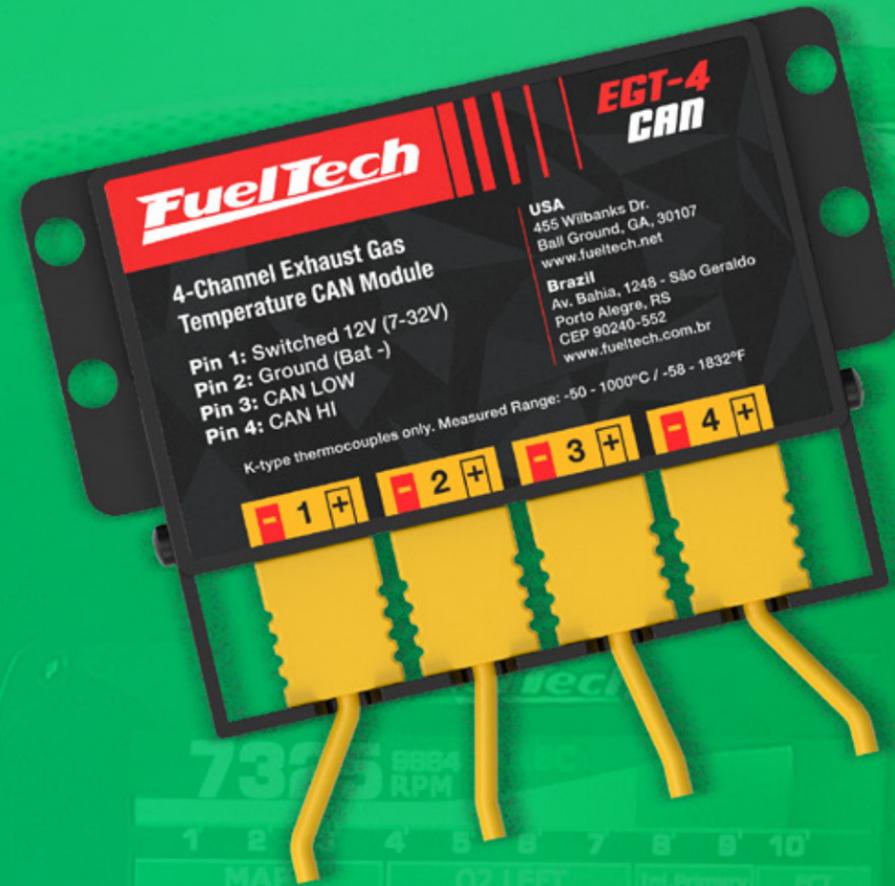
Keypad with configurable buttons and multicolor backlight

- Supply Voltage: 12-24Vdc
- Communication BUS: FTCAN 2.0
- IP67 protection against water and dust
- Include predefined and blank stickers so you can make your own IDs
- Multicolor LED backlight that varies according to the programmed function.
- Reallocate up to 5 or 8 PowerFT ECU inputs to extra sensors or functions, allowing you to expand your project without having to purchase more devices with more inputs
- The unit has screws in the back, allowing an easy and discreet installation into the dashboard, making your project even more professional
- Compatible with all the features in the PowerFT line



CONDITIONERS

Conditioners for K-type thermocouples and wideband O2 sensor conditioning and display.



WB-O2 Nano: #3841

3ft blank harness: #6086
6.5ft blank harness: #3625
15ft blank harness: #3839



Dual Channel: #3398
8ft harness: #3289



Code: #2630

WB O₂ NANO

Wideband O₂ sensor conditioner^{1 2}

- Waterproof (IP67 Certified)
- Easy viewing and small size
- Extended reading scale 0.35 Lambda and up (2.24 AFR Alcohol, 5.15 Gasoline)
- CAN communication 2.0: sends the O₂ reading via CAN to the ECU, freeing up the analog inputs
- Allows several conditioners connected to the FTCAN 2.0 network
- Automatic CAN network setup
- 0-5V analog output for connection with stand alone ECU or external datalogger
- Bosch amplification and control circuit

¹ Sensor not included

² Compatible with O₂ sensor Bosch #0965

ALCOHOL O₂

High-end O₂ sensor conditioner for Alcohol^{1 2}

- High precision and speed equipment that uses a special O₂ sensor conditioner from NTK laboratories or Bosch LSU 4.2 (w/ adapter sold separately)
- Extremely rich air/fuel ratio readings: from 0.30 Lambda (1.94 AFR Alcohol)
- 0-5V analog output for connection with stand alone ECU or external datalogger
- CAN communication with PowerFT ECU's (FT450, FT500, FT550, FT600, FT500LITE and FT550LITE)

¹ Sensor not included

² Compatible with O₂ sensor NTK #0011

ETM-1

Thermocouple conditioner type K¹

- Output signal: 0-5V
- 8V to 26V power supply
- Single channel
- For PowerFT line or external Datalogger
- Extended reading: 32°F to 1832°F
- Any temperature sensing, i.e., exhaust, intake, oil

¹ Thermocouple not included



EGT-4: #7368
 Harness: #6497

EGT-4 CAN

4 channel conditioner for Type K¹ thermocouples with CAN communication for PowerFT ECU's

- Compatible with any type K thermocouple (grounded junction or not)
- 4 channel signal conditioner with CAN bus communication for PowerFT ECU's, can be used to read EGT's, CHT's, oil, air, water or any other temperature using a type K thermocouple
- Works as an input expander for PowerFT ECU's, freeing up 4 white input channels to be used for other purposes
- With the possibility to use up to 4 EGT-4 modules in the same installation, as much as 16 different channels will be available for all sorts of data acquisition
- Compatible with PowerFT ECU's (FT450, FT500, FT550, FT600, FT500LITE and FT550LITE)

¹ Thermocouple not included



EGT-8: #4060
 Harness: #0260

EGT-8 CAN

8-channel conditioner for Type K¹ thermocouple with CAN communication

- Conditioner for Type K thermocouple
- Extended reading: 32°F to 1832°F
- CAN network communication for PowerFT ECU line, no analog input needed on your ECU
- Any temperature sensing, i.e., exhaust, intake, oil

¹ Thermocouple not included



IGNITION

High power CDI, fuel injectors and inductive ignition modules.

FTSPARK EXTREME

The most powerful ignition system in the world

- Compatible with rotary engines (except FTSPARK EXTREME)
- Programmable energy via CAN or digital input to adjust the energy level
- 475V in the primary of the coil, which helps to prevent interference in the system
- 140A of current in the primary of the coil with Racing CDI FuelTech coil for FTSPARK 750mJ
- 175A of current in the primary of the coil with Racing CDI FuelTech coil for FTSPARK 1500mJ (FTSPARK EXTREME)
- CAN communication with FuelTech PowerFT ECUs for diagnostic and datalogging
- Automotive connector with gold-plated terminals
- Serial bus (1 wire) that allows the use of only one ECU output that triggers all ignition outputs (only with PowerFT)
- Case: Anodized Aluminum and Plastic
- Maximum working temperature: approximately 212° F
- Supply voltage for full power: 14-26V. Minimum voltage for starting 8V
- Maximum operating frequency: 670 Hz
- Compatible with other ECUs on the market¹

¹ Check compatibility of your ECU with our tech support.



320 lb/h:	#8504
520 lb/h:	#7881
720 lb/h:	#7883

FT INJECTOR

Tested and calibrated to ensure linearity, repeatability, and accuracy

- REAL flow - no matching required
- FT Injector has internal components resistant to corrosion, guaranteed by the salinization test carried out on all raw materials used
- Reduce the number of injectors, connections and hoses in your engine package
- Compatible with any type of fuel (Gasoline, Ethanol, nitromethane, nitropropane, MTBE and ETBE)
- Tested and approved on 4,000+ horsepower engines
- Compatible with any ECU on the market
- Best cost benefit flow x price
- FuelTech warranty and support
- Project developed prioritizing the quality and durability of the injector



FTSPARK-4 750mJ:	#7544
FTSPARK-6 750mJ:	#7545
FTSPARK-8 750mJ:	#7546
FTSPARK-8 Extreme 1500mJ:	#7547

6ft blank harness	
FTSPARK-4 750mJ:	#6520
FTSPARK-6 750mJ:	#6521
FTSPARK-8 750mJ:	#6522
FTSPARK-8 Extreme 1500mJ:	#7538



SparkPRO-1:	#3326
SparkPRO-2:	#3327
SparkPRO-3:	#3328
SparkPRO-4:	#3329
SparkPRO-5:	#3330
SparkPRO-6:	#3331
SparkPRO-8:	#3332

6.5ft blank harness	
SparkPRO-1:	#0048
SparkPRO-2:	#0049
SparkPRO-3:	#0050
SparkPRO-4:	#0051
SparkPRO-5:	#0052
SparkPRO-6:	#0053
SparkPRO-8:	#3164

SPARKPRO

High energy inductive ignition

- Versions from 1 to 8 ignition outputs
- High voltage at the coil's primary: up to 430V
- Compatible with any programmable ECU that has dwell control



CDI RACING COIL

Ignition Coil made to be used with our FuelTech FTSPARK

- Use with individual coil per cylinder and also rotary applications
- Up to 175 Amps of current
- Best for alcohol and nitromethane applications
- Compatible with any FuelTech FTSPARK.

Code: #0171



SMART COIL

FuelTech Smart Coil with built-in igniter

- 175mJ @ 9ms Dwell and 14V
- High spark discharge duration
- For direct connection to the ECU's output with no need for external igniters
- Recommended for sequential ignition and individual coil per cylinder applications

Code: #0012



SENSORS & ACCESSORIES

Sensors and accessories to read all kinds of data, from the engine's temperature to the suspension travel.



Code: #8282

Dual Power Driver

Activate high current electrical system with low current ECU outputs

- Power: 9V to 30V
- Max outputs current (total): 25A
- Peak current: 100A to 10ms
- Operating voltage: 9V to 30V
- Max operating frequency: 25KHz @ 30V
- Input trigger level LOW: <1.3V
- Input trigger level HIGH: >1.6V
- Switching delay:
 - High to low: 5.6 μs
 - Low to high: 6 μs



PS-150 (150psi):	#0020
PS-300 (300psi):	#0021
PS-500 (500psi):	#0217
PS-1500 (1500psi):	#0022
PS-3000 (3000psi):	#0220
PS-10B (145psi):	#0694

Pressure Sensors

High precision sensors to read pressure of any kind of fluid or gas on the engine

- Reads pressure on all kinds of fluid or gas (oil, fuel, water, boost, exhaust back pressure, etc)
- Output signal: 0.5-4.5V¹ or 1-5V²
- Feed voltage: 5V¹ or 12V²
- Versions: 0-150psi, 0-300psi, 0-1500psi, and 0-10bar

¹ Values for PS-150, PS-300, PS-500, PS-1500 and PS-3000

² Values for PS-10B



Code: #0031

Pan Vacuum Sensor

Used to read positive or negative pressure on the oil pan

- Signal output: 0.5 - 4.5V
- Sensor thread: 1/8" NPT
- Reading range: -15psi to +15psi



5/16-24": #0025
3/8-24": #0026

Driveshaft Sensor with Bracket

Used to read driveshaft RPM and vehicle speed signal on RWD vehicles

- Non-magnetic driveshaft sensor
- Available in 5/16-24" and 3/8-24" thread sizes
- Connector and pigtail included
- 125" long from end of sensor
- Used with magnetic collars - 8 magnet split collar is recommended



Code: #0320

Turbo Speed Sensor

Perfect to monitor turbocharger for maximum efficiency and safety

- Vital data in order to measure whether the turbo is operating within its compressor map and at its highest efficiency
- By inputting blade count you can measure rotational speed and maximize your turbo output; allowing you to gain valuable data



Code: #0965

Wideband O2 Sensor

Compatible with any FuelTech wideband conditioner (WB-O2 Nano, Alcohol O2¹)

- Can not be used with leaded fuel, diesel or 2 stroke engines. The sensors life span will be drastically reduced or it will be quickly damaged
- Sensor thread: M18 x 1.5mm

¹ Must use adapter. Sold separately.



Code: #0011

Alcohol Wideband O2 Sensor

Wideband sensor designed for high accuracy and low AFR

- Must be used with FuelTech Alcohol O2 wideband signal conditioner
- Not compatible with FuelTech WB-O2 Nano
- Sensor thread: M18 x 1.5mm
- Wrench size: 22mm

¹ Required when using Alcohol O2 w/ PRO600

² Required when using Alcohol O2 & NTK sensor w/ PRO600



4 inches version: #0209
8 inches version: #0211

Suspension Travel Sensor

The best way of monitoring your vehicle's suspension and body movements

- Available in versions of 4 and 8 inches of travel
- Can be used with any FuelTech PowerFT ECU
- 4" Travel Sensor:
 - Total Travel: 4"
 - Length Closed: 9"
 - Length Extended: 13"
 - Mounting: 5mm Heim joints
 - Cable Length: 41"
- 8" Travel Sensor:
 - Total Travel: 8"
 - Length Closed: 13"
 - Length Extended: 21"
 - Mounting: 5mm Heim joints
 - Cable Length: 41"
- Voltage/Output:
 - Supply voltage: 5V
 - Signal Output: 0.5V - 4.5V



Code: #0353

Flex Fuel Sensor

Used to monitor and vary the ignition timing, fuel injection and boost level based off the ethanol content in the engine's fuel

- By setting up the FuelTech Flex Fuel sensor and optimising the parameters within FuelTech's FTManager software, the tuner is able to compensate for a change in ethanol content and also monitor the fuel temperature



Code: #5789



M10 x 1.25: #3677
M10 x 1.50: #5744
M12 x 1.50: #3676
M12 x 1.75: #4449
3/8"-24 UNF: #3678

Shifter Handle w/ Strain Gauge Sensor

- Replaces the stock "H" G-Force long levers
- Use with FuelTech FT550 & FT600 to allow gear change at full load without clutch, in non-clutchless manual transmissions
- Normally used in front wheel drive Honda B-series and GF-5R manual transmissions for "clutch assisted" rear wheel drive.

Shift Knob

Shift Knob w/ Strain Gauge Sensor

- Designed to used with FuelTech FT550 & FT600 to perform powershifts¹
- Detects knob deformation to cut the ignition
- H-pattern, sequential or inline application
- CNC machined
- Available in 5 different threads (M10 x 1.25, M10 x 1.50, M12 x 1.50, M12 x 1.75, 3/8"-24 UNF)

¹ GearController: only compatible with dog engagement equipped gearboxes (Liberty Pro Shift, Liberty Face Plate, etc). Synchro gearboxes are not compatible with GearController.



Code: #4307

FT Boost Controller Injector Block

Fuel injector support block¹ used with the integrated wastegate boost control function of the PowerFT line ECUs²

- Rubber mount kit included (2 rubber mounts, 2 washers, 4 nuts)
- Must be used with high impedance and high flow injectors (above 50lb/hr). For better efficiency, the Bosch 170lb/hr (0280158827) and Bosch 210lb/hr (0280158821) injectors are recommended

¹ Injectors not included.

² Not compatible with BoostController and BoostController2 units. Use only with PowerFT ECUs.



Code: #0083

Hall Effect RPM/Speed Sensor

Used to read crank, cam, wheel, and driveshaft speed

- Compatible with PowerFT ECUs and GearController

Connector Kits

- Recommended for those who have upgraded to a new ECU and want to modify their existing harness for the new connectors



	Code
FT450 Connector Kit	0277
FT550 Connector Kit	0278
FT600 Connector Kit	0082

Dash Mount Panels

Perfect finishing for your vehicle.
Can be cut to any shape of dashboard cluster

- Made from high quality ABS
- Black finishing, allowing painting and/or wrapping
- Up to FT500: 17.7" x 11.8" x 1.3" / 450mm x 300mm x 33.1mm
- FT450 and FT500: 17.7" x 11.8" x 1.5" / 450 x 300 x 38,5mm
- FT600: 17.7" x 11.8" x 1.7" / 450mm x 300mm x 42.6mm

¹ For BoostController2, GearController, FT350, FT400 and FT500



Up to FT500: #4576



FT450 and FT550: #5924
FT600: #4577

ECU Mounting Brackets

- Extremely lightweight and durable
- Manufactured in billet aluminum CNC machined
- Available in black



FT500 steering column bracket: #1851
FT500 cage bracket: #2214



FT450 and FT550: #5925
FT600: #4795



Code: #0309

Spark Plug Gapper

Save time and precisely gap your spark plugs with our new billet spark plug gapping tool.

- The FuelTech spark plug gapper is recommended for the adjustment of the distance between the center and ground electrodes
- Sturdy tool with threaded adjustment and standard fitting for spark plugs
- Hardened steel grip and thread ensuring high resistance and durability
- Black anodized aluminum body with engraved FuelTech logos



Code: #0391

Vacuum Distribution Manifold

The perfect solution for running and organizing all of the vacuum line

- With 7 vacuum ports there is plenty of room to run all of your vacuum lines for blow off valves, wastegates and more!



Code: #0390

Remote Mount Pressure Sensor block

Perfect solution to mount your pressure sensors in one common place

- Each port is individually connected from top to bottom allowing you to run up to 4 separate pressure sensors on a small lightweight billet mounting block away from vibration and for easier access



Code: #0700

FuelTech CDI Coil Bracket Kit

Use for up to 4 CDI Racing Ignition Coils¹

- Bracket kit designed to mount 4 FuelTech CDI Coils
- Made from lightweight billet aluminum, only 13.1 oz
- Includes (4) 1/4" socket head cap screws to mount the coils to the bracket
- (4) 1/4" threads in the back, front, and bottom for mounting to the chassis

¹ CDI Racing Ignition Coil not included



1.375":	#0182
1.500":	#0183
1.625":	#0184

FTSPARK Mounting Bracket

- Simplify installation of your FTSPARK with our chassis mounting bracket
- Available sizes: 1.375", 1.500" and 1.625"
- New design allows mounting it horizontally or vertically



Code: #0058

Boost Controller Dual Valve Kit

Dual valve block for PowerFT ECU integrated boost controller

- Suitable for use with CO2 or manifold pressure
- Precise wastegate pressure control
- Valves support up to 150psi
- Lightweight aluminum valve block
- Compact design for tight engine bays
- High reliability



Code: #7294

VR-Hall Converter

Designed to read an analog signal from a 2 wire VR sensor and transform it to a digital signal (Hall) for fuel flow and speed readings

- Minimum signal peak voltage: 0.5V
- Maximum signal peak voltage: 150V
- Maximum frequency: 15000Hz (15kHz)



Code: #0341

Backpressure Dampening Canister

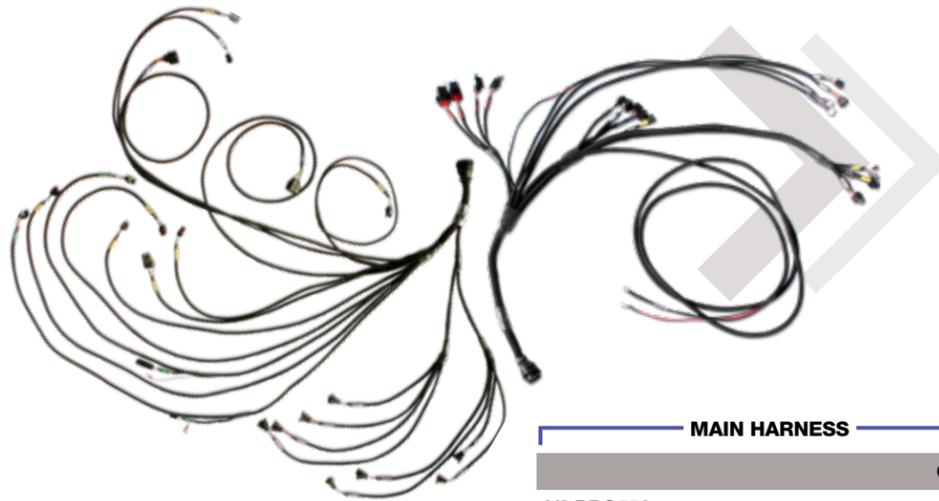
Measuring the exhaust back pressure is vital data required to best determine the true efficiency of your combination

- Protect the sensor and allow the end user to see true indication of pressure in the exhaust manifold
- Made of billet aluminum construction and measures 2 3/4" x 2 1/2" with mounting holes 2" center to center.
- The sensor port and hardline inlet are tapped to 1/8" NPT



HARNESSES

A variety of engine harnesses, from unterminated blank harnesses to pre-terminated complete harnesses. Find the best wiring solution for your project.

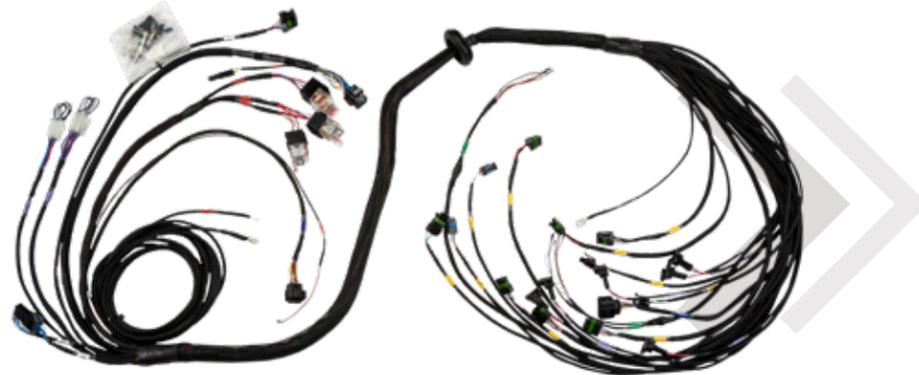


PRO Harnesses

Complete, ready-to-install wiring harnesses for fast and painless installations

- High quality, high durability relays
- Available for FT550 and FT600 ECUs
- High precision, detailing and fabrication standards
- Available in 8 or 16 injectors configuration
- The PRO600 and PRO550 Harnesses are modular harnesses, by adding right add-on harnesses, it fits almost any V8 application

MAIN HARNESS		ADD-ON HARNESS			
	Code		Code	Code	
V8 PRO550	0191	PRO600 Secondary Injector	0077	PRO550/600 FTSPARK-8	0142
V8 PRO600	0076	PRO550/600 Smart Coil	0108	Nano to Alcohol O2 Adapter ¹	4769
		PRO550/600 FTSPARK-1	0173	Bosch to NTK Adapter ²	0063

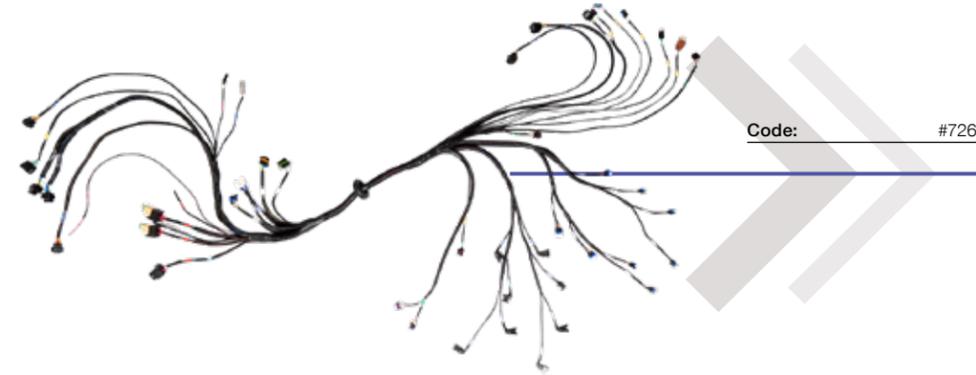


4 Cyl and 6 Cyl Complete Harness

The best fit for 4cyl and 6 cyl engine managed by FT450 or FT550 ECU

- Injector outputs
- Coils outputs
- Temperature and pressure sensors connectors
- FT Peak & Hold external driver ready
- FT WB-O2 NANO ready

4 Cylinder		6 Cylinder	
	Code		Code
FT450/550 4 Cylinder Universal A	6505	FT450/FT550 6 Cylinder Universal A	7385
FT550 4 Cylinder Universal B Expansion	6600	FT550 6 Cylinder Universal B Expansion	8377



Code: #7265

LS550 V8 Complete Harness

The best fit for a standalone LS swap managed by a FT550 or FT550LITE ECU

- 8 EV1 injector connectors (sequential)
- LS coils connectors (fully sequential)
- DBW Pedal and electronic throttle body connectors
- Flex fuel ready
- Two FT WB-O2 NANO ready

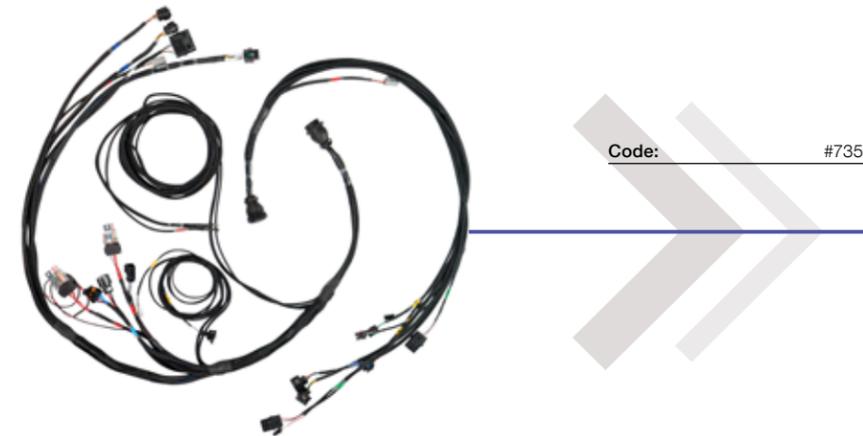


A Harness: #0303
B Expansion Harness: #0304

PROBIKE Harness

Designed for 4-cylinder sport motorcycles managed by a FT450 or FT550

- Use the B expansion harness for 8 injector setup, only with a FT550 ECU



Code: #7356

Sportsman Datalogging A

Plug and play solution to easily incorporate data logging into any setup equipped with an FT450 or FT550 ECU

- Designed around a Big Block Chevy with extra long leads to allow it to be used in numerous applications.

You can find out more about unterminated blank harnesses at our website or next to the FuelTech respective product at this catalog.



FT APPAREL

Hoodies, shirts, caps, beanies and much more for you to wear your passion for motorsport in the highest quality.

FuelTech Unisex Flag Shirts

USA	Puerto Rico																												
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FuelTech Decal

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FuelTech Decal

non die-cut

<p>10" x 2.5": #0061</p>	<p>10" x 2.5": #0480</p>	<p>10" x 2.5": #0481</p>
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FuelTech Shirt

Black	Red	Pink	Women																																														
<table border="0"> <tr><td>S:</td><td>#0001</td></tr> <tr><td>M:</td><td>#0002</td></tr> <tr><td>L:</td><td>#0003</td></tr> <tr><td>XL:</td><td>#0004</td></tr> <tr><td>2XL:</td><td>#0005</td></tr> <tr><td>3XL:</td><td>#0006</td></tr> <tr><td>4XL:</td><td>#0024</td></tr> </table>	S:	#0001	M:	#0002	L:	#0003	XL:	#0004	2XL:	#0005	3XL:	#0006	4XL:	#0024	<table border="0"> <tr><td>M:</td><td>#6219</td></tr> <tr><td>L:</td><td>#6220</td></tr> <tr><td>XL:</td><td>#6221</td></tr> <tr><td>2XL:</td><td>#6222</td></tr> <tr><td>3XL:</td><td>#6223</td></tr> </table>	M:	#6219	L:	#6220	XL:	#6221	2XL:	#6222	3XL:	#6223	<table border="0"> <tr><td>S:</td><td>#0394</td></tr> <tr><td>M:</td><td>#0395</td></tr> <tr><td>L:</td><td>#0396</td></tr> <tr><td>XL:</td><td>#0397</td></tr> <tr><td>2XL:</td><td>#0398</td></tr> <tr><td>3XL:</td><td>#0399</td></tr> <tr><td>4XL:</td><td>#0400</td></tr> </table>	S:	#0394	M:	#0395	L:	#0396	XL:	#0397	2XL:	#0398	3XL:	#0399	4XL:	#0400	<table border="0"> <tr><td>S:</td><td>#0047</td></tr> <tr><td>M:</td><td>#0048</td></tr> <tr><td>L:</td><td>#0049</td></tr> <tr><td>XL:</td><td>#0050</td></tr> </table>	S:	#0047	M:	#0048	L:	#0049	XL:	#0050
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Sweatpants

S:	#6272
M:	#6273
L:	#6274
XL:	#6275
2XL:	#6276
3XL:	#6277
4XL:	#6278

Gift card

\$50	GIFTCARD-50
\$100	GIFTCARD-100
\$250	GIFTCARD-250

FuelTech Hoodie



Black	
S:	#0068
M:	#0069
L:	#0070
XL:	#0071
2XL:	#0072
3XL:	#0073
4XL:	#0074

Raglan	
S:	#0401
M:	#0402
L:	#0403
XL:	#0404
2XL:	#0405
3XL:	#0406

FuelTech Jacket



S:	#5582
M:	#5583
L:	#5584
XL:	#5585
2XL:	#5586
3XL:	#5587
4XL:	#5588

Key Tag



Red: #0308

FuelTech Emblem



Red: #5776

FuelTech Kids

T-shirts



Toddler	
2T:	#5143
3T:	#5144
4T:	#5145
5/6T:	#5146
7T:	#5147

Youth	
S:	#0363
M:	#0364
L:	#0365
XL:	#0366

Long Sleeve	
1T:	#5150
2T:	#5151
4T:	#5152
6T:	#5153
8T:	#5154
10T:	#5155
12T:	#5156

Racer T-Shirt	
1T:	#6316
2T:	#6317
4T:	#6318
6T:	#6319
8T:	#6320
10T:	#6321
12T:	#6322

Sweatshirt



Kids	
1T:	#5120
2T:	#5121
4T:	#5122
6T:	#5123
8T:	#5124
10T:	#5125
12T:	#5126

Youth Hat



Black: #0376

FuelTech Hat

Snapback Hat



Black: #0228

Flex Fit



Red	
S/M:	#0009
L/XL:	#0010

Black	
S/M:	#0007
L/XL:	#0008

Grey	
S/M:	#0185
L/XL:	#0186

Beanie



Black #0075

Sport Bag



Red 16.5" x 20": #0168

Tree Air Freshener



Code: #6741

FuelTech Banner



72" x 36": #0479



72" x 36": #0062

Tire Cover

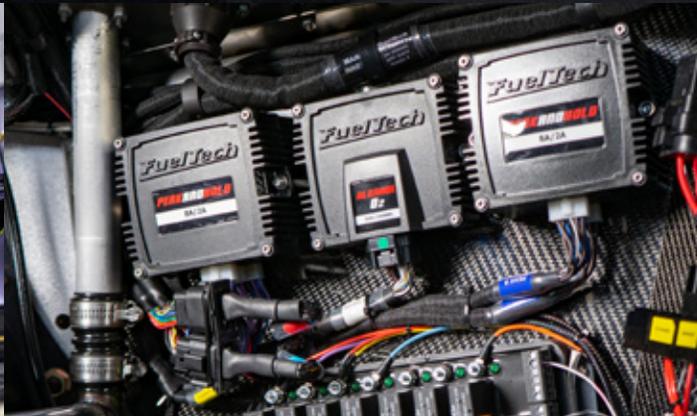


42" x 36": #0198

Laptop Pad



17.75" x 12": #0213



FuelTech

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Toll free: +1 855-595-3835

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