PERFORMANCE IN YOUR HANDS!

FuelTech is an international company specialized in developing and manufacturing state of the art performance engine management systems. The company's elite staff, always keeping a grip on the forefront of technology available, guarantees top notch quality and constant innovation.

The product line's greatest advantage is its overall simplicity, from its painless installation to real time tuning in just hours, depending on the application. Our FT series ECU's built-in interface is a complete set that allows the user to have full control of the engine without the need of a PC, emphasizing the on the spot, do it yourself concept.

FuelTech's craftsmanship and technology is built on extreme performance and proof comes from where it matters, the race track. Excellent record breaking track results on a wide variety of racing classes such as Sportsman, Pro Drag, Circuit, Off-Road, Rally, Motorbike and Marine applications testify our commitment to attain the best results, everywhere we compete. Developing and designing high performance products since 2003, FuelTech will surely have a product to fulfill your needs.

Over the past few years we have worked extensively with the US market to prepare our latest EFI system, the FT600, for release in the USA. A team of racing experts worked hand in hand with our in-house staff of software engineers, hardware engineers and designers to help us deliver a product that could be used easily on anything from a street car, bike, jet ski, etc. all the way up to a 5000+hp twin turbo alcohol Pro Mod combination! We made several hundred dyno pulls, many trips to the states and used countless R&D hours to end up with an incredible feature-rich product that we are extremely proud to release to our customers.

SUMMARY

ECUS

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

10 LEDs for use as progressive Shift Light

4 configurable side LEDs that can be used as a status indicator for any input

IP67 waterproof aluminum chassis

32 configurable outputs

68 pins automotive connectors

20 configurable inputs

7380 11000 ● REC RPM

Gear **3** Front **115** Mph

Oil P. Fuel P.

MAP **26.0** Bat. **16.1** TPS 0 50 100

FT600 **FuelTech**

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 FT
ECU 1

FuelTech **FT600**

FuelTech FT600, the next level in electronic fuel injection!

- 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

256 channel internal datalogger

Integrated BoostController

Flat shifts using strain gauge sensors - GearController

Without Harness: #4009
With 10ft blank harness: #4010

FT550

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

Up to 4 customizable dashboard screens available

Without Harness: #5496
With 10ft blank harness: #5497

POWER FT
ECU |

Fueled By **PASSION**

Color touchscreen TFT – non reflective

Virtual LEDs

Updates, data and map downloads through USB communication

Mounting System included

14 configurable inputs

Waterproof

Automotive connectors

24 outputs

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

Waterproof

Automotive connectors

FuelTech

POWER FT ECU

8000 RPM ● REC

1 2 3 4 5 6 7 8 9 10

Odometer
Total
17448.1
Trip
34.5

Gear
5

Front.
116
Mph

Engine T.
200.6

Oil P.

O2 General Fuel P. Air T.

Traction control

Data
35%

70
30

Fuel
0 50 100

60
45

Engine

FT450

Up to 4 customizable dashboard screens available

6778 5 112
25.45 3.699 4.550

7380
3 115
26.0 16.1

Without Harness: #5384
With 10ft blank harness: #5385

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 BoostController

Active traction control

O2 closed loop

POWER FT
ECU

FuelTech **EVERYWHERE**

FT500 LITE

POWER FT
ECU I

All FT500 features without the touchscreen!

- Transform your FT500LITE into a FT500 anytime by purchasing the screen upgrade
- Active traction control
- Rotary and piston engine compatible (2, 3 and 4 rotors, 1 to 12cyl)
- Sound alerts
- System can be programmed to use any sensor (analog 0-5V w/ 1k pullup selection, frequency digital or digital switch)
- Diagnostics panel, electronic throttle and ignition calibration on FTManager
- Idle speed control by step motor, timing, electronic throttle or solenoid valve
- Active traction control

Update your ECU with **USB**

256 channel internal Datalogger

Without Harness: #3922
With 10ft blank harness: #3923

FT350

Without Harness: #3315
With 10ft blank harness: #2639

Update your ECU with **USB-CAN Converter**[1]

Color touchscreen TFT – non reflective

19 channel internal Datalogger

- 4.3" Color touchscreen
- Distributor type and crank trigger ignition control
- 5 ignition outputs to control wasted spark or coil on plug systems
- Idle speed control by timing or by solenoid
- 19 channel Internal Datalogger[1]

[1] FuelTech USB-CAN Converter needed (sold separately)

FT488

Without Harness: #3318
With 10ft blank harness: #2643

Update your ECU with **USB-CAN Converter**[1]

Color touchscreen TFT – non reflective

24 channel internal Datalogger

- 4.3" color touchscreen
- Distributor type and crank trigger ignition control
- 6 ignition outputs to control wasted spark or coil on plug systems
- Idle speed control by timing, step motor or solenoid
- Electronic throttle control (drive-by-wire)[1]
- Fuel table tuning aid[2]
- Closed loop lambda control[2]
- 24 channel Internal Datalogger[3]

[1] Not compatible with all electronic throttle bodies
[2] FuelTech WB-O2 Meter Nano needed (sold separately)
[3] FuelTech USB-CAN Converter needed (sold separately)

FT500

Without Harness: #3321
With 10ft blank harness: #2815

Update your ECU with **USB**

128 channel internal Datalogger

POWER FT
ECU I

- Sequential fuel injection for up to 20 injectors
- Individual fuel and ignition trim
- Customizable maps resolution (up to 1024 cells)
- Closed Loop O2 Control
- Advanced Nitrous Control
- Integrated BoostController
- Live tuning through the dashboard or PC software (via FTManager software)
- 2D or 3D tables for fuel and ignition maps
- Up to 8 ignition outputs to control wasted spark or coil on plug systems
- Editable sensors parameters allows compatibility with OEM sensors, including parallel connection with OEM ECU

POWER FT ECU — Specifications & Features

	FT350	FT400	FT450	FT500LITE	FT500	FT550	FT600
	Limited updates			Limited dashboard updates			
SPECIFICATIONS							
Piston engine control (cylinders)	1 ~ 12	1 ~ 12	1 ~ 8	1 ~ 12	1 ~ 12	1 ~ 12	1 ~ 12
Rotary engine control (rotors)	2	2 - 3	2	2, 3 and 4	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	0.040ms	0.040ms	0.001ms	0.001ms	0.001ms	0.001ms	0.001ms
Ignition timing resolution	0.25	0.25	0.1	0.1	0.1	0.1	0.1
Fuel injection phase angle control	○	○	●	●	●	●	●
Real time programming	Interface	Interface	Interface + PC	PC	Interface + PC	Interface + PC	Interface + PC
FEATURES							
Diagnostic panel	●	●	●	PC	●	●	●
Dashboard	●	●	Redesigned up to 4 screens	○	●	Redesigned up to 4 screens	Redesigned up to 4 screens
Customizable splash screen	○	○	○	○	●	●	●
LEDs for progressive shift light	○	○	○	●	●	○	10
LEDs for status indicator or alerts	○	○	4 - virtuals	●	●	4 - virtuals	4
O2 closed loop	○	Basic	Advanced	Advanced	Advanced	Advanced	Advanced
Idle speed control	Idle by timing ON/OFF Valve	Idle by timing ON/OFF Valve Step motor Electronic throttle	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	Idle by timing ON/OFF valve Step motor Electronic throttle PWM valve
Electronic throttle control (drive-by-wire)	○	●	○	●	●	●	●
Drag racing functions for power management	Basic	Basic	Advanced	Advanced	Advanced	Advanced	Advanced
2-Step rev limiter	●	●	New strategy[b]	New strategy[b]	New strategy[b]	New strategy[b]	New strategy[b]
Progressive nitrous control	Basic	Basic	Advanced	Advanced	Advanced	Advanced	Advanced

a. 1 - By timing; 2 - ON/OFF vale; 3 - Step motor; 4 - Electronic throttle; 5 - PWM valve.

b. 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.

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

d. 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.

e. Mandatory use of a Peak and Hold driver.

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

POWER FT ECU — Features, Inputs/Outputs, Datalogger & Hardware

	FT350	FT400	FT450	FT500LITE	FT500	FT550	FT600
	Limited updates			Limited dashboard updates			
FEATURES							
Pro-Nitrous functions	○	○	●	●	●	●	●
N75 progressive boost control	Basic	Basic	Advanced	Advanced	Advanced	Advanced	Advanced
BoostController	○	○	●	●	●	●	●
GearController	○	○	○	○	○	●	●
Active traction control	○	○	●	●	●	●	●
Customizable sensors parameters	○	○	●[c]	●[c]	●[c]	●[c]	●[c]
INPUTS AND OUTPUTS							
Input channels	7	13	9	13	13	16	22
Configurable inputs	4	1	7[d]	11[d]	11[d]	14[d]	20[d]
RPM signal input	Hall - Magnetic	Hall - Magnetic	Hall - Magnetic (differential)	Hall - Magnetic (differential)	Hall - Magnetic (differential)	Hall - Magnetic (differential)	Hall - Magnetic (differential)
Output channels	12	20	10	20	20	24	32
Configurable outputs	4	7	up to 10 (6[f]+4[g])	up to 20 (4[i]+8[f]+8[g])	up to 20 (4[i]+8[f]+8[g])	up to 24 (4[i]+12[f]+8[g])	up to 32 (8[i]+16[f]+8[g])
Injector outputs	2	2	up to 10[e](6[f])	up to 20[e](8[f])	up to 20[e](8[f])	up to 24[e](12[f])	up to 32[e](16[f])
Ignition outputs	5	6	up to 5 (4[g]+1[h])	up to 12 (8[g]+4[i])	up to 12 (8[g]+4[i])	up to 12 (8[g]+4)	up to 16 (8[g]+8[i])
DATALOGGER							
Datalogger capacity	25min[k]	25min[k]	2h50min[k]	2h50min[k]	2h50min[k]	2h50min[k]	2h50min[k]
Sample rate	2 ~ 20 Hz	2 ~ 20 Hz	1 ~ 200 Hz	1 ~ 200 Hz	1 ~ 200 Hz	1 ~ 200 Hz	1 ~ 200 Hz
Configurable rate per channel	○	○	●	●	●	●	●
Internal datalogger channels	19	24	up to 256	up to 256	up to 256	up to 256	up to 256
HARDWARE							
Chassis	Plastic	Plastic	Plastic - Redesigned	Plastic	Plastic	Plastic - Redesigned	Waterproof Aluminum
Integrated accelerometer and gyroscope sensor	○	○	○	○	○	●	●
Automotive connector AMP SUPERSEAL 1.0	○	○	○	○	○	●	●
Programming interface	Touchscreen + PC	Touchscreen + PC	Touchscreen + PC	PC	Touchscreen + PC	Touchscreen + PC	Touchscreen + PC
Dash Display	TFT 4.3" Color	TFT 4.3" Color	TFT 4.3" Color	○	TFT 4.3" Color	TFT 4.3" Color	TFT 4.3" Color
FuelTech CAN network	1 - FTCAN 1.0	1 - FTCAN 1.0	1 - FTCAN 2.0	1 - FTCAN 2.0	1 - FTCAN 2.0	2 - FTCAN 2.0	2 - FTCAN 2.0
PC communication	Conversor USB_CAN[i]	Conversor USB_CAN[i]	USB[i]	USB[i]	USB[i]	USB[i]	USB[i]
Weight	7.8oz / 220g	8.1oz / 230g	9.5oz / 270g	5.3oz / 150g	8.1oz / 230g	11oz / 309g	20.7oz / 588g
Dimensions	5.51 x 3.22 x 1.29 in	5.51 x 3.22 x 1.29 in	5.75 x 3.62 x 2.13 in	5.51 x 3.22 x 1.29 in	5.51 x 3.22 x 1.29 in	5.75 x 3.62 x 2.13 in	5.86 x 3.7 x 2.42 in

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

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

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

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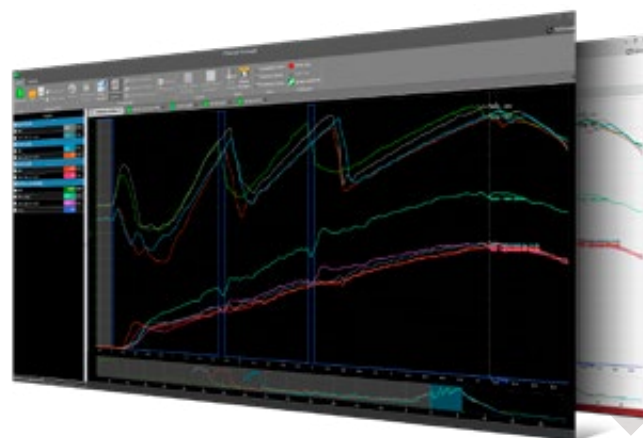
l. PowerFT line use a common mini USB cable (included). The rest of the line demands the FuelTech USB-CAN Converter (sold separately).

FT*MANAGER*

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

• 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
• Previous generation ECU tune converter to PowerFT line
• 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

• Ignition table MAP x RPM (Advanced)

• Timing and fuel compensation by gear

• RPM/Speed based traction controls edition with overlay on the log

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
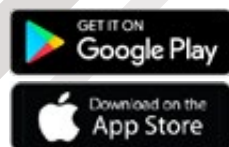
APP DATA*LOGGER*

• 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.

GET IT ON
Google Play

Download on the
App Store

CONTROLLERS

Advanced electronic controllers, high current injector drivers, high power coil drivers, gear shift controllers, boost controllers.

With 10ft blank harness: #2628

Update your BoostController2 with **USB-CAN Converter**[1]

BOOSTCONTROLLER2

Multi-stage Boost Controller with dual ramp per stage

- 16x2 characters OLED display and buttons that allow programming directly on the unit. No computer needed
- Active boost control through wastegate pressure management
- Up to 6 stages of boost and 1 launch stage
- For drag racing, circuit and street cars
- Dual boost ramp control per stage
- Burnout mode (fixed boost for burnout)
- 3 modes of adjustment:
  - Time and pressure
  - Time and Ramp
  - Ramp and Pressure

[1] FuelTech USB-CAN Converter needed (sold separately)

Without harness

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

With 6ft blank harness

2A/0.5A:	#0011
4A/1A:	#0012
8A/2A:	#0013

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
  - 8A/2A

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SWITCHPANEL

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 4, 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.

SwitchPanel-8: #0170	SwitchPanel-8 mini: #0302	SwitchPanel-5 mini: #0301	SwitchPanel-4 mini: #0300

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GEARCONTROLLER

With 10ft blank harness: #2647

Update your GearController with **USB-CAN Converter**[1]

Active traction control and power-shift function

- 16x2 characters OLED display and buttons that allow programming directly on the unit. No computer needed
- Active traction control by wheel speed (compatible only with FT350, FT400 and PowerFT line)
- Retards ignition timing to control power on the wheels and cuts ignition on extreme situations
- Full throttle gear change with no clutch use, keeping constant torque and reducing time under no acceleration (power-shift function)[2]
- Individual gear cut time per shift
- Compatible with stock shift levers (contact us to check compatibility prior to acquisition)

[1] FuelTech USB-CAN Converter needed (sold separately)
[2] This feature is only compatible with dog engagement equipped gearboxes

SHIFTKNOB

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

Shift Knob w/ Strain Gauge Sensor

- Designed to use with FuelTech FT600 or GearController to perform powershifts[1]
- 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.
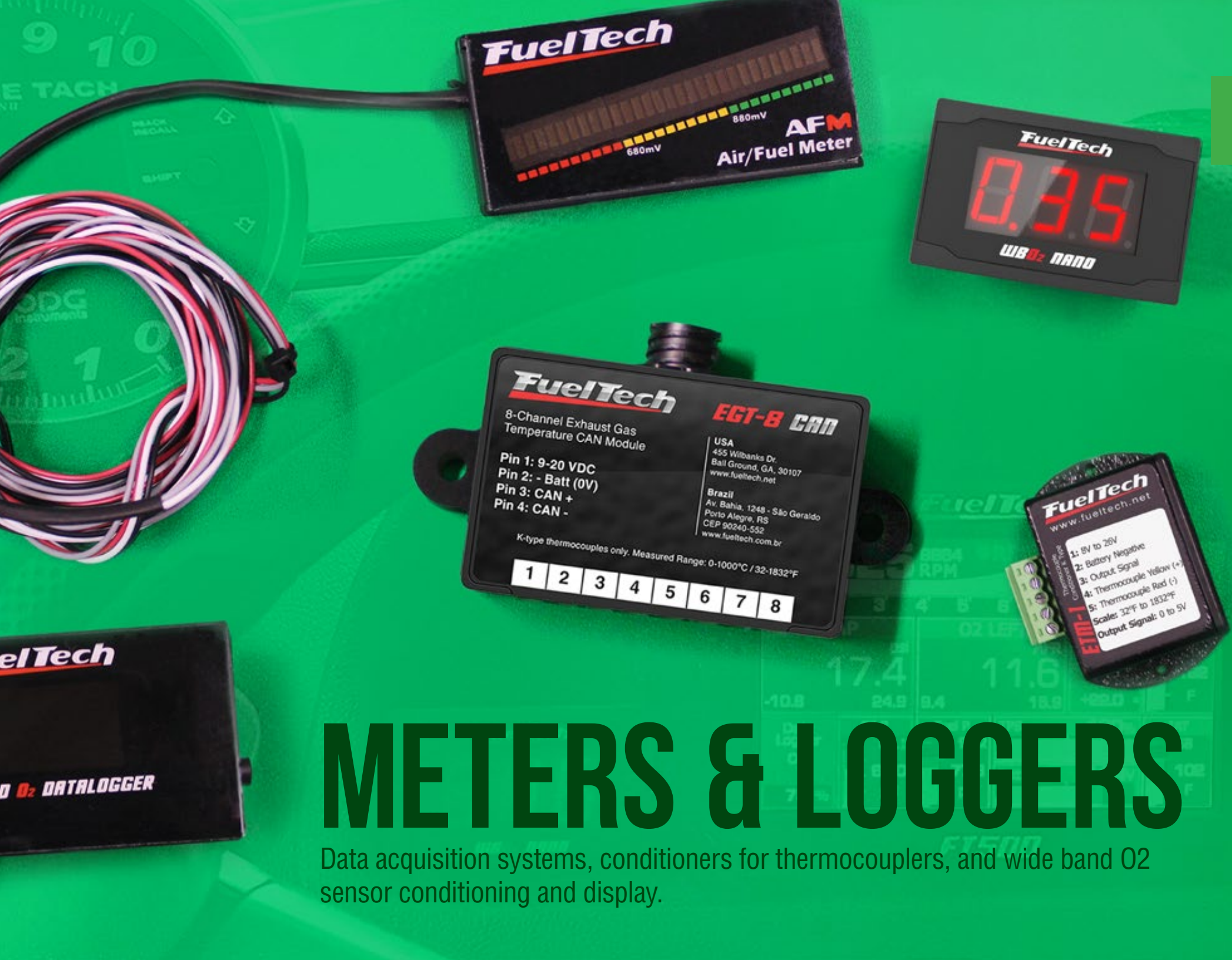
METERS & LOGGERS

Data acquisition systems, conditioners for thermocouplers, and wide band O2 sensor conditioning and display.

WB02 NANO

Without Harness:	#3841
With 10ft blank harness:	#3840

• Replaces WB-O2 Meter Slim

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

WB02 DATALOGGER

With 8.2ft blank harness:	#2651

6 channel data acquisition system with integrated wideband O2 display and conditioner[1]

• 6 recording channels: lambda (internal), RPM and 4 analog inputs (0-5v)
• Native high speed 2.0 USB connection, with no serial adapter required
• Up to 100hz of sampling rate
• Up to 7 hours of recording (on the lower sample rate)

With blank harness:	#4060

EGT-8 CAN

8-channel conditioner for Type K[1] thermocouple with CAN communication

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

[1] Thermocouple not included

ETM-1

Without Harness:	#2630

Thermocouple conditioner type K[1]

• 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

ALCOHOL O2

Dual Channel w/o harness:	#3398
Dual Channel w/8ft harness:	#3341

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 FT500 and FT600

[1] Sensor not included
[2] Compatible with O2 sensor NTK #0011

IGNITION

High power CDI and inductive ignition modules.

The FuelTech FTSPARK is an extremely high energy Capacitive Discharge Ignition (CDI) system designed to meet the highest spark requirements for racing.

- Extreme performance applications
- 4 Versions: 1, 4, 6, and 8 coil(s)
- Configurable 600mJ energy
- Aluminum housing
- Advanced diagnosis through CAN Bus network
- Single wire triggering mode by Serial bus (1 wire) to PowerFT ECU line or traditional one trigger per channel
- Automotive connector with gold-plated terminals.

Without Harness	
FTSPARK-1:	#4686
FTSPARK-4:	#4688
FTSPARK-6:	#4690
FTSPARK-8:	#4692

With 6ft blank harness	
FTSPARK-1:	#4687
FTSPARK-4:	#4689
FTSPARK-6:	#4691
FTSPARK-8:	#4693
FTSPARK-8 non-efi:	#5762

FTSPARK

Without Harness

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

With 6ft blank harness

SparkPRO-1:	#0016
SparkPRO-2:	#0017
SparkPRO-3:	#0018
SparkPRO-4:	#0019
SparkPRO-5:	#0020
SparkPRO-6:	#0021
SparkPRO-8:	#3161

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

Bobina Racing CDI: #5218

Ignition Coil made to be used with our FuelTech FTSPARK

- Use with individual coil per cylinder and also rotary applications
- 125 Amps of current
- Best used with alcohol and nitromethane
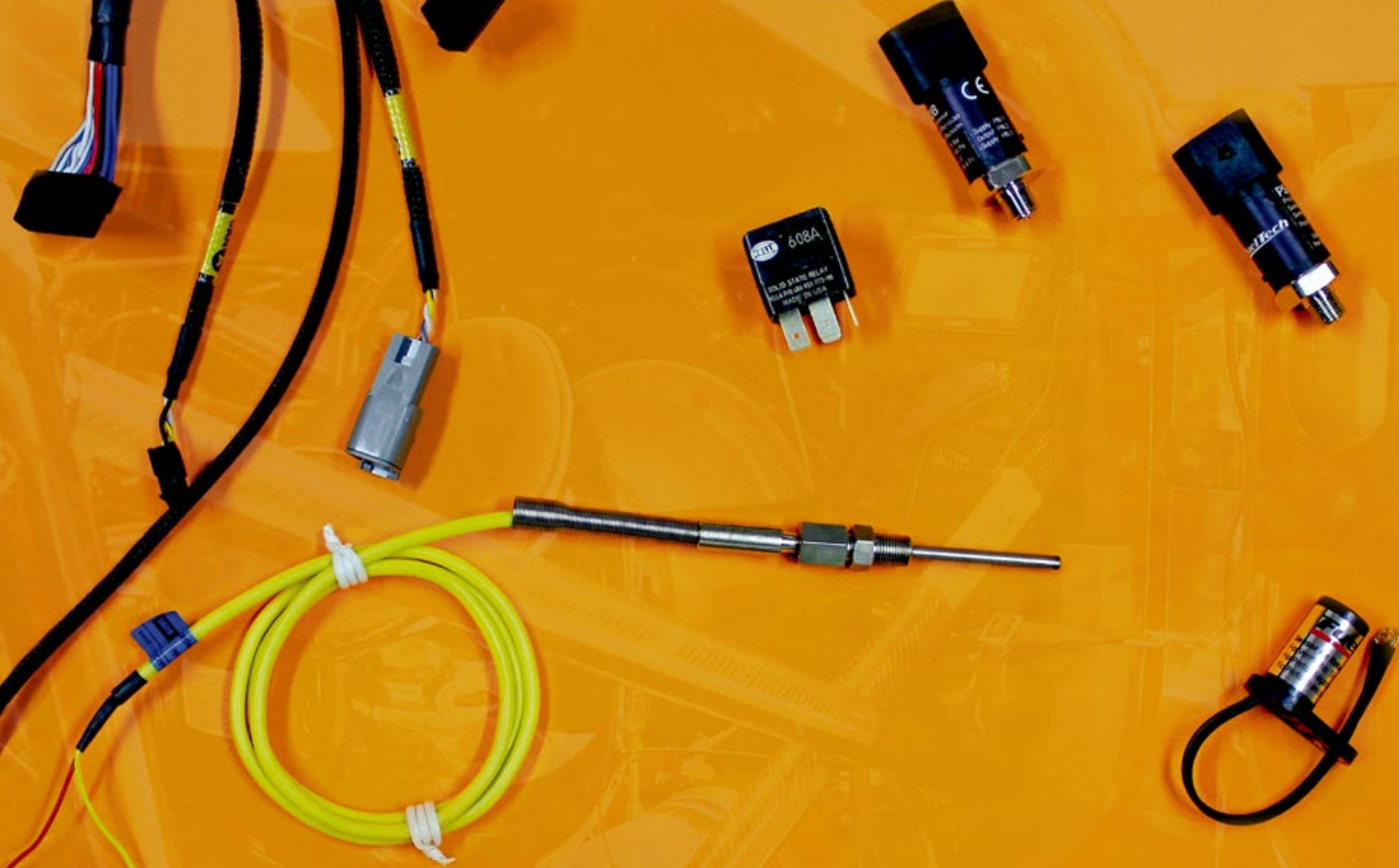- Only compatible with FuelTech FTSPARK

SMART COIL

Bobina Smart Coil: #5632

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

FuelTech

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SENSORS & ACCESSORIES

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

Pressure Sensors

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

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: 0.5-4.5V[1] or 1-5V[2]
- Feed voltage: 5V[1] or 12V[2]
- Versions: 0-150psi, 0-300psi, 0-1500psi, and 0-10bar
- PS-150, PS-300 and PS-1500 are compatible with PowerFT line
- PS-10B is compatible with all the FT products

[1] Values for PS-150, PS-300, and PS-1500
[2] Values for PS-10B

Wideband O2 Sensor

Wideband O2 Sensor: #0965

Compatible with any FuelTech wide band conditioner (WB-O2 Nano, Alcohol O2[1])

- 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.

Alcohol Wideband O2 Sensor

Alcohol Wideband O2 Sensor: #0011

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

Códe: #5776

FuelTech Emblem

- Chrome FuelTech logo
- Automotive 3M double-sided tape
- Dimensions: 4.56" (116mm) x 1.3" (33mm) x 0,18" (4,5mm)

Suspension Travel Sensor

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

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: #5789

G-Force Long Shifter

- Shifter lever with the GearController sensor already installed
- For use with G Force long style shifter transmissions

Pan Vacuum Sensor

Pan Vacuum Sensor:	#0031

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

Driveshaft Sensor with Bracket

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

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

Hall Effect RPM/Speed Sensor

Hall Effect RPM/Speed Sensor:	#0083

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

- Compatible with PowerFT ECUs and GearController

Spark Plug Gapper

Spark Plug Gapper:	#0309

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

Plug and Play Harnesses

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

- High quality, high durabilty relays
- Connector for PowerFT line ECUs
- High precision, detailing and fabrication standards
- Available in 8 or 16 injectors configuration
- The PRO600 Harness is a modular harness and by using the appropriate adapter harnesses you can use it for almost any V8 application
- Check out www.fueltech.net for our latest list of harness offerings

MAIN HARNESS	
	Code
V8 PRO500 - 8 injectors	4769
LS FT500	0063
V8 PRO600	0076

ADD-ON HARNESS			
	Code		Code
PRO600 Secondary Injector	0077	Nano to Alcohol O2 Adapter[1]	4769
PRO600 Smart Coil	0108	Bosch to NTK Adapter[2]	0063
PRO600 FTSPARK-1	0173	LS EV1 Injector	0064
PRO600 FTSPARK-8	0142		

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

Connector Kits

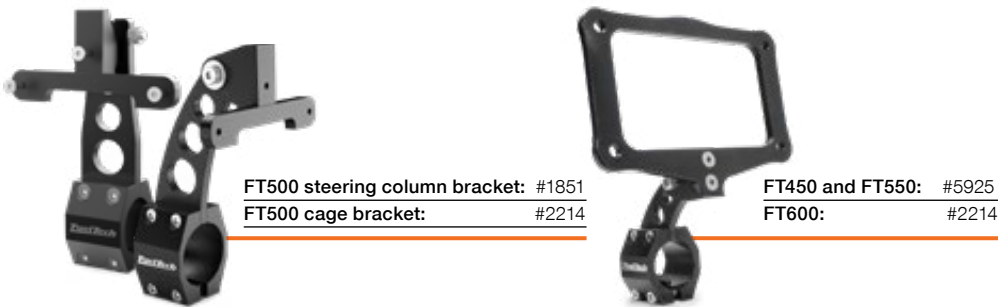- Recommended for those who have upgraded to a new ECU and want to modify their existing harness for the new connectors.

	Code
FT450 Connector Kit	5719
FT550 Connector Kit	5720
FT600 Connector Kit	4509

Adapter Harnessess

- Plug and play adapter harnessess are the fastest way of using a ew ECU on an existing installation.

	Code
FT200, FT250, FT300, FT350, FT400 to FT450	5634
FT200, FT250, FT300, FT350, FT400 to FT450 and WBO2 Nano	5767
FT400 to FT550	5635
FT500 to FT550	5636
FT500 to FT600	4005

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

| FT450 and FT550: | #5925 |
| FT600: | #2214 |

ECU mounting brackets

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

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

| Up to FT500[1]: | #4576 |

| FT450 and FT550: | #5924 |
| FT600: | #4577 |

[1] For BoostController2, GearController, FT350, FT400 and FT500

FuelTech CDI Coil Bracket Kit

Use for up to 4 CDI Racing Ignition Coils[1]

| Code: | #0700 |

- 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 |
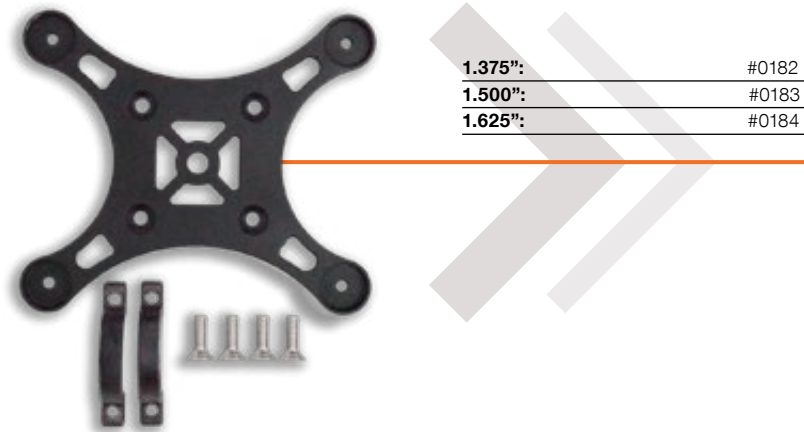
FTSPARK Mounting Bracket

- 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

FT Boost Controller Injector Block

Fuel injector support block[1] used with the integrated wastegate boost control function of the PowerFT line ECUs[2]

| Boost Controller Injector Block: | #4307 |

- 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.
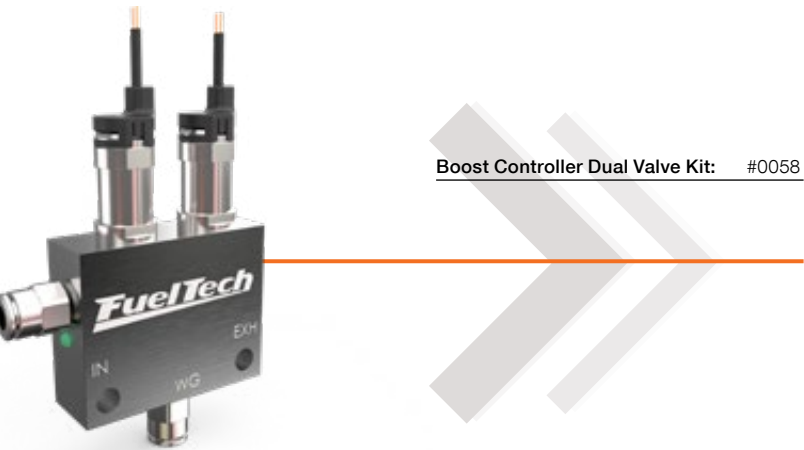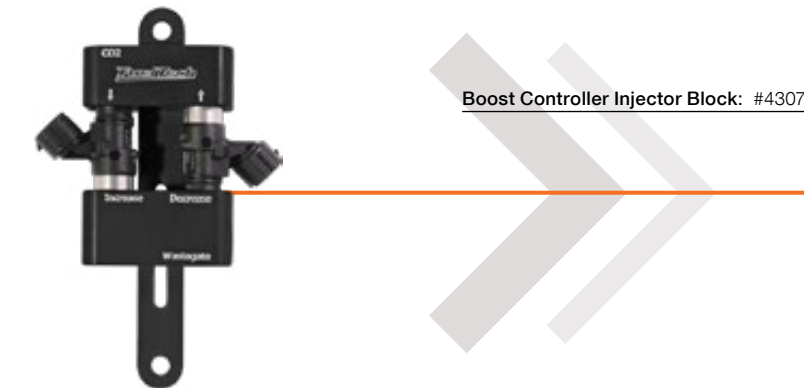
Boost Controller Dual Valve Kit

Dual valve block for PowerFT ECU integrated boost controller

| Boost Controller Dual Valve Kit: | #0058 |

- 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

FT APPAREL

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

FuelTech Unissex **Flag Shirts**

USA

S:	#0229
M:	#0230
L:	#0231
XL:	#0232
2XL:	#0233
3XL:	#0234
4XL:	#0235

Puerto Rico

S:	#0236
M:	#0237
L:	#0238
XL:	#0239
2XL:	#0240
3XL:	#0241
4XL:	#0242

Australia

S:	#0251
M:	#0252
L:	#0253
XL:	#0254
2XL:	#0255
3XL:	#0256
4XL:	#0257

Germany

S:	#0280
M:	#0281
L:	#0282
XL:	#0283
2XL:	#0284
3XL:	#0285
4XL:	#0286

FuelTech **Shirt**

Men

Black

S:	#0001
M:	#0002
L:	#0003
XL:	#0004
2XL:	#0005
3XL:	#0006
4XL:	#0024

Women

Black

S:	#0047
M:	#0048
L:	#0049
XL:	#0050

Grey

Unissex

S:	#5866
M:	#5867
L:	#5868
XL:	#5869
2XL:	#5870
3XL:	#5871

FuelTech **Kids**

T-shirts

Short Sleeve

T1:	#5143
T2:	#5144
T4:	#5145
T6:	#5146
T8:	#5147
T10:	#5148
T12:	#5149

Long Sleeve

T1:	#5150
T2:	#5151
T4:	#5152
T6:	#5153
T8:	#5154
T10:	#5155
T12:	#5156

Racer T-Shirt

T1:	#6316
T2:	#6317
T4:	#6318
T6:	#6319
T8:	#6320
T10:	#6321
T12:	#6322

Sweatshirt

Kids

T1:	#5120
T2:	#5121
T4:	#5122
T6:	#5123
T8:	#5124
T10:	#5125
T12:	#5126

FuelTech **Hoodie**

FuelTech **Beanie**

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

Raglan
S:	#5128
M:	#5129
L:	#5130
XL:	#5131
2XL:	#5132
3XL:	#5133

Zip Up
S:	#5273
M:	#5274
L:	#5275
XL:	#5276
2XL:	#5277
3XL:	#5278

Black
	#0075

FuelTech **Jacket**

Sport **Bag**

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

Men Jacket
S:	#4282
M:	#4283
L:	#4284
XL:	#4285

Women Jacket
S:	#4277
M:	#4278
L:	#4279
XL:	#4280
2XL:	#4281

Red
16.5" x 20":	#0168

FuelTech **Hat**

Flat Bill Hat

Flex Fit

Grey: #5718

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

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

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

FuelTech **Decal**

Black
7.25":	#1591
17.63":	#1539
36":	#1504

Silver
7.25":	#1590
17.63":	#1538
36":	#1844

10" x 2.5": #0061

FuelTech **Banner**

72" x 36": #0062

Tire Cover

42" x 36": #0198

Laptop Pad

17.75" x 12": #0213

www.FuelTech.net