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Fuel Management Systems From HYTEK

Why offer Fuel Management Systems (FMS)

Fuel management system (FMS) sales/enquiries are on the increase after the change of use for Gasoil from the first of April 2022 & the higher cost of fuel. More end users in the plant, construction, agricultural & road transport sectors can save costs by investing in FMS. Enables users to see where their fuel is being used, identify vehicles & drivers where a lower MPG is costing them money. It could be a vehicle issue & or a driver training requirement.

Why buy fuel management system (FMS) from HYTEK

HYTEK understand & support their (FMS) sales. HYTEK support you, their distributor, from the enquiry stage to the sale, set up/commissioning & after sales support. If you are used to installing or selling fuel dispensing pumps & associated equipment, then why not offer HYTEK's FMS to your customers.

How HYTEK supports their distributors

Pass your FMS enquiry to HYTEK. HYTEK offer a full FMS quote with no hidden extras. Online Teams demonstrations of the FMS showing software, reporting & supporting you on the call with your customer. Training available for you & your engineers. On the day of installation, HYTEK set up a teams call with you & your customer to go over the commissioning & how to use the system, users are able to refuel their vehicles the same day.

After sales support

HYTEK ensures all FMS that leave them are programmed & set up ready for use to ease installation. HYTEK send a set up questionnaire when you place your order, your customer needs to fill this out (HYTEK supports you with this). Included in the first-year costs are HYTEK's hosting fee & this covers you & your customer for remote support. Hosting is a yearly fee that keeps FMS software updated. HYTEK's FMS are cloud based & mostly linked via a modem, helps to prevent issues. Your customer's data is backed up on remote secure servers.

Why offer HYTEK's FMS

There are many FMS systems on the market HYTEK are unique as they offer FMS packages with no hidden costs. The driver/vehicle tags/fobs are ultra reliable. All HYTEK's systems offers MPG reporting & are cloud based making them fully updatable. Can choose bulk storage tank reporting/monitoring. Multiple sites can run from one software cloud-based system.

TECALEMIT Fuel Management - Cloud Based



Why offer TECALEMIT fuel management systems (FMS)

Robust German engineering, HYTEK are a UK approved service & technical centre providing ongoing support. Plug & play, units are fully configured ready for installation.

Standard cloud based software features

- ▶ Full reporting & service modules (not just standard reporting).
- ▶ Flexible easy to use cloud reporting.
- ▶ Tag or pin code entry.
- ▶ Stores up to 10,000 transactions. Maximum users 4,000.
- ▶ Reporting includes:
 - Dashboard gives a snapshot of your data.
 - View multiple sites.
 - MPG, dashboard graphic view.
 - Stock monitoring, book stock, view book stock tank level.
 - Choose when your data polls, max every hr, min once a day.
 - Shows the last connection date in the inventory menu.
 - All graphs & reports are customisable.
 - Export reports to .PDF/.CSV files.
 - Set high & low level warnings with email alerts.
 - Email alert if it drops offline (GSM option only).
 - Remotely set up, edit, & deactivate tags & deactivate unit.
 - Restrict vehicles or drivers to specific sites or fuels.
 - Limit the amount that can be dispensed.
 - Assign transactions to a cost centre (not for resale of fuel).
 - To calculate MPG request an odometer reading in miles/km or hrs.
- ▶ FMS terminal only:
 - Cloud software, USB download.
- ▶ FMS terminal kit:
 - Cloud software, tank level probe accuracy +/-0.5%, fill module, integral GSM modem/SIM & 10 tags.
- ▶ FMS terminal kit can control up to 5 fuel pumps.
- ▶ FMS terminal kit 12/24V ideal for mobile fuel bowzers.
- ▶ Pump with integral FMS only:
 - Cloud software, USB download, pump meter accuracy +/- 0.5%.
- ▶ Pump with integral FMS terminal kit:
 - Cloud software, pump meter accuracy +/- 0.5%, tank level probe accuracy +/-0.5%, fill module, integral GSM modem/SIM & 10 tags.
- ▶ For Stk Codes & more information see pages 120 & 121.

Support

- ▶ HYTEK offers support from the enquiry stage to the sale, set up/commissioning & after sales support.
- ▶ Online Teams demonstrations showing software, reporting & supporting you on the call with your customer.
- ▶ Set up questionnaire required with order, we support you/your customer when completing.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.



FMS Terminal



Pump with integral FMS



Tag



CALCULATE TANK LEVELS

Refuelings of the last three months							Fuel tanks
Date	Value	Product	Vehicle	Mileage/operating hrs.	Driver	Delivery point	
09/13/2021 10:07	0.7 US gal	Diesel	Andrews Tr.	64,851 mi	Andrew Tho.	Superbox Delivery po.	<p>61 % 11,256 US gal (20,000 US gal)</p>
09/13/2021 9:02	25.9 US gal	Diesel	ST-209	583,654 mi	Philip Nannan	Superbox Delivery po.	
09/13/2021 7:15	71.3 US gal	Diesel	BT-304	209,236 mi	Rodney Ryals	Superbox Delivery po.	
09/13/2021 7:04	50.6 US gal	Diesel	BT-305	322,170 mi	John Vaca	Superbox Delivery po.	
09/13/2021 6:56	27.2 US gal	Diesel	DC-407	417,516 mi	Shontel Brack	Superbox Delivery po.	
09/13/2021 6:49	60.2 US gal	Diesel	BT-305	81,314 mi	Aaron Polanco	Superbox Delivery po.	
09/13/2021 5:39	58.5 US gal	Diesel	DC-409	184,993 mi	Isiah Stomela	Superbox Delivery po.	
Total (415 dataentri)							

OPTIONAL TANK LIQUID LEVELS; INTEGRATE YOUR TANK LEVELS INTO A SINGLE DASHBOARD.



TECALEMIT



Fuel Management - Cloud Based - Terminal - USB

- ▶ FMS terminal, full cloud software, USB download.
- ▶ Suitable with diesel, biodiesel & AdBlue®.
- ▶ Fuel management system to control 1 pump.
- ▶ 110V – 230V power supply. Weatherproof to IP54.
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.
- ▶ See page 119 for full details.

HDAC

Stock Code	Description	Voltage	Pulses
HDAC	Terminal, cloud software, USB, 1 year hosting	110- 230V	1-1000ppl
HDAT	Transponder tags (1 required per vehicle/driver)	-	-
HDH	2nd year cloud management/hosting contract fee (ongoing)	-	-



TECALEMIT



Fuel Management- Cloud Based - Terminal kit - GSM

- ▶ FMS terminal kit, full cloud software, tank level probe, accuracy +/- 0.5% fill module, integral GSM modem/SIM & 10 tags.
- ▶ Suitable with diesel, biodiesel & AdBlue®.
- ▶ Fuel management system to control 1 pump.
- ▶ 110V – 230V power supply. Weatherproof to IP54.
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.
- ▶ See page 119 for full details.

HDACK

Stock Code	Description	Voltage	Pulses
HDACK	Terminal kit, cloud software, GSM modem/SIM, 1st yr host, fill module/tank probe, 10 tags	110- 230V	1-1000ppl
HDAT	Extra transponder tags (1 required per vehicle/driver)	-	-
HDAC2YR	2nd year full cloud management/hosting & sim contract fee (ongoing)	-	-



TECALEMIT



FMS - Cloud Based - Terminal kit - GSM - 5 Pumps

- ▶ FMS terminal kit, full cloud software, fill module, integral GSM modem/SIM & 10 tags (tank level probes not included).
- ▶ Suitable with diesel, biodiesel & AdBlue®.
- ▶ Fuel management system to control up to 5 pumps & up to 5 storage tank level probes, (which are not included).
- ▶ 110V – 230V power supply. Weatherproof to IP54.
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.
- ▶ See page 119 for full details.

HDA5K

Stock Code	Description	Voltage	Pulses
HDA5K	Terminal kit, 5 pump, cloud soft, GSM/SIM, 1st year host, fill module (no tank probes) 10 tags	100- 230V	1-1000ppl
224020010	Tank level probe for up to 3m tank +/- 0.5% & 4-20 mA (not inc. choose up to 5)	-	-
HDAT	Extra transponder tags (1 required per vehicle/driver)	-	-
HDAC2YR	2nd year full cloud management/hosting & sim contract fee (ongoing)	-	-

FMS - Cloud Based - Terminal Bowser Kit - GSM - 12/24V

- ▶ 12/24V version for bowser or when mains power is not available onsite.
- ▶ FMS terminal kit, full cloud software, tank level probe, accuracy +/- 0.5% fill module, integral GSM modem/SIM & 10 tags.
- ▶ Suitable with diesel, biodiesel & AdBlue®.
- ▶ Fuel management system to control 1 pump.
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.
- ▶ See page 119 for full details.



Stock Code	Description	Voltage	Pulses
HDAC1224K	Terminal kit, cloud software, GSM modem/SIM, 1st yr host, fill module/tank probe, 10 tags	12/24V	1-1000ppl
HDAT	Extra transponder tags (1 required per vehicle/driver)	-	-
HDAC2YR	2nd year full cloud management/hosting & sim contract fee (ongoing)	-	-

Pump/Fuel Management - Cloud Based - USB

- ▶ Pump, FMS terminal, cloud software, USB download, pump meter accuracy +/- 0.5%, Choose 50 or 85L/min versions. Meter accuracy +/- 0.5%.
- ▶ Suitable with diesel, biodiesel up to B7. Nozzle operated on/off switch.
- ▶ 230V continuously rated motor with thermal cut out.
- ▶ Weatherproof to IP54. Integral filter & bypass valve.
- ▶ 4m delivery hose & HYTEK professional automatic nozzle.
- ▶ Dimensions 470mm H x 550mm W x 340mm D.
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.
- ▶ See page 119 for full details.



Stock Code	Description	Accuracy	Max Flow	Voltage
HDMC	50L/min pump, FM terminal, cloud software, USB, 1st year hosting	+/- 0.5%	50L/min	230V
HDMHC	85L/min pump, FM terminal, cloud software, USB, 1st year hosting	+/- 0.5%	85L/min	230V
HDAT	Transponder tags (1 required per vehicle/driver)	-	-	-
HDH	2nd year cloud management/hosting contract fee (ongoing)	-	-	-

Pump/Fuel Management - Cloud Based - Kit - GSM

- ▶ Pump, FMS terminal kit, cloud software, pump meter accuracy +/- 0.5%, tank level probe accuracy +/- 0.5%, fill module, integral GSM modem/SIM & 10 tags.
- ▶ Choose 50 or 85L/min versions.
- ▶ Suitable with diesel, biodiesel up to B7. Nozzle operated on/off switch.
- ▶ 230V continuously rated motor with thermal cut out.
- ▶ Weatherproof to IP54. Integral filter & bypass valve.
- ▶ 4m delivery hose & HYTEK professional automatic nozzle.
- ▶ Dimensions 470mm H x 550mm W x 340mm D.
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.
- ▶ See page 1 for full details.



Stock Code	Description	Accuracy	Max Flow	Voltage
HDMCK	50L/min pump, FMS, cloud soft, GSM/SIM 1st yr host, fill mod/probe, 10 tags	+/- 0.5%	50L/min	230V
HDMHC	85L/min pump, FMS, cloud soft, GSM/SIM 1st yr host, fill mod/probe, 10 tags	+/- 0.5%	85L/min	230V
HDAT	Extra transponder tags (1 required per vehicle/driver)	-	-	-
HDAC2YR	2nd year full cloud management/hosting & sim contract fee (ongoing)	-	-	-



FC20 FMS terminal



FC10 pump with integral FMS



Tank gauge interface



Tag

Why offer Pumptronics Fuel Management Systems? Ideal for large fleets & multiple site/multiple user operators or when customers are using high volumes of fuel &/or need to account for every drop.

230V FC20 FMS terminal only, compact 12/24V version available for mobile fuel bowsers. FC10 is our ALPHA fuel pump with integral FMS.

CO2 readings available ideal for bus & coach operators. NEW sudden fuel loss level alert via text & email (FC.SLA). Versions available to resell fuel (MIR certified).

FMS terminal (FC20/FC10)

- ▶ Integral GPRS modem & SIM card included.
- ▶ First year hosting & SIM card contracts included.
- ▶ Full stainless steel terminal housing.
- ▶ Heavy duty keypad for odo readings, driver identification (ID) fleet numbers, job codes & more. Option: full qwerty keypad.
- ▶ Clear visible back lit display with message facility.
- ▶ The datatag (tag) reader is very reliable & robust. Dust, frost & dirt are its friend.
- ▶ Optional: Compact bowser version also available.

Standard features

- ▶ Uses guaranteed for life vehicle/driver tags.
- ▶ Up to 65,000 different tags on one system.
- ▶ Security: Vehicle/driver tag & odometer (odo) entry, odo check & MPG calculation. Optional: driver code & or driver tag & additional pin code entry.
- ▶ HYTEK pre-program the tags.
- ▶ Stores up to 2,000 transactions. Maximum users 65,000.
- ▶ In the event of a mains power failure the system retains all data as transactions are stored in the non-volatile memory.

Feature options:

- ▶ NEW sudden fuel loss level alert via text/email (FC.SLA).
- ▶ Hardware link to 6x O.L.E. T5020 tank gauges reporting to the cloud based software, automatic stock reporting (FC.TGE).
- ▶ AVR (auto vehicle recognition) uses RFID technology fitted to the nozzle for auto odo & data capture, does away with the handheld tags (needs a tag fitted at the vehicles filler neck), no manual input required at the FMS terminal.
- ▶ AOC (auto odo capture only) prevents manual millage input mistakes, links to the vehicle telematics via an API to retrieve data (we need to know the telematic provider).
- ▶ For Stk Codes & more information see pages 128.

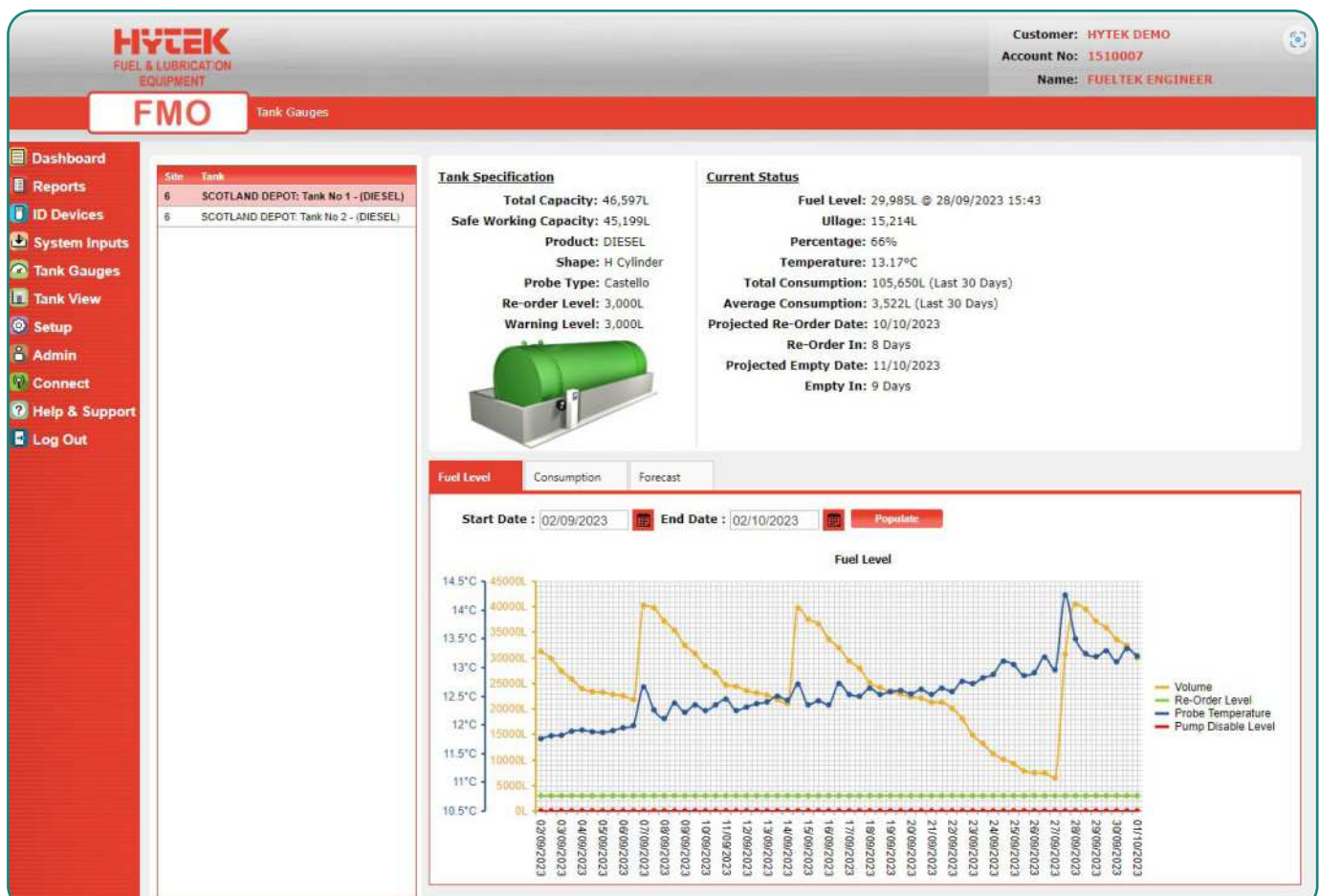
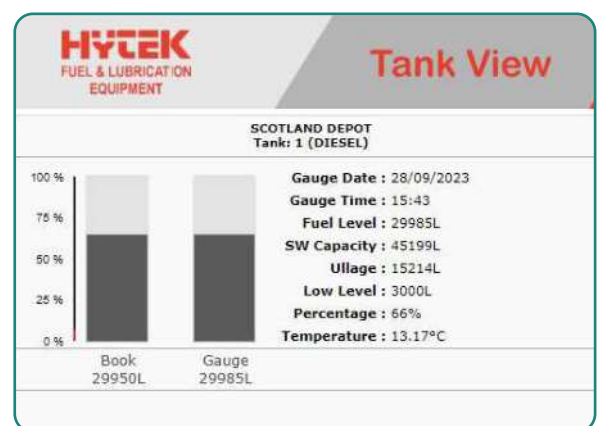
Support

- ▶ HYTEK offers support from the enquiry stage to the sale, set up/commission & after sales support.
- ▶ Online Teams demonstrations showing software, reporting & supporting you on the call with your customer.
- ▶ Set up questionnaire required with order, we can support you/ your customer when completing.
- ▶ First-year remote/hosting support included.
- ▶ Hosting is a yearly fee that keeps the FMS cloud software updated & continued HYTEK remote support.

Pumptronics FMS - Cloud Based Software



- ▶ Flexible easy to use cloud reporting.
- ▶ Communicates with the FMS terminal FC10/FC20.
- ▶ Dashboard gives a snapshot of data.
- ▶ Set up tags, maintain reports, driver fueller lock outs, run reports & stock control.
- ▶ Includes report generator, gives the ability to create your own custom reports or HYTEK can do this for you.
- ▶ Pre-prepared reports supply most the information required by fleet managers. Can be edited, information can be sorted totalled, filters set for a vehicle, department, fuel & more.
- ▶ Fuel usage analysis by:
- ▶ Vehicle, group or department, vehicle type/code, fuel type, time, date, odo reading, fleet number, site code or number, amount drawn, registration number & tag number.
- ▶ Data can be important from a range of third party fuel card services & integrated with the FC10/FC20 transactions.
- ▶ Multiple site capability & site consolidation.
- ▶ Access from any PC, laptop, tablet & phone requires an internet connection, login ID & user password.
- ▶ Remotely set up, edit & deactivate tags & deactivate unit.
- ▶ Restrict vehicles or drivers to specific sites or fuels.
- ▶ Limit the amount that can be dispensed.
- ▶ Stock monitoring, book stock, view book stock & tank levels.
- ▶ Option: links to O.L.E. T5020 bulk storage tank gauges, fully integrates into software reporting advise when enquiry/ordering (FC.TGE).
- ▶ Set high & low level warnings with email alerts.
- ▶ Email alert if it drops offline.
- ▶ Assign transactions to a cost centre (resale versions available).





FC20.WM



FC.TGE



FC10.TAGR

Pumptronics



FC20 FMS - Cloud Based - GSM - Wall Mount

- ▶ Ideal for large fleets & multiple sites/multiple user operators or when customers are using high volumes of fuel & or need to account for every drop.
- ▶ Suitable with diesel & AdBlue®. 304 stainless steel terminal housing.
- ▶ 230V power supply.
- ▶ FMS to control up to 2 pumps (FC20.WM) or 4 pump option (FC20.WM.4).
- ▶ Compact 12/24V version available for mobile fuel bowzers.
- ▶ Heavy duty keypad for odo readings, driver ID, fleet numbers & job codes.
- ▶ Clear visible back lit display with message facility.
- ▶ CO2 readings available ideal for bus/coach sectors.
- ▶ Uses guaranteed for life vehicle/driver datatags (tags).
- ▶ Up to 65,000 different tags on one system.
- ▶ Security: Vehicle/driver tag & odometer (odo) entry, odo check & MPG calculation. Optional: driver code &/or driver tag & additional pin code entry.
- ▶ Tags are pre-programmed, stores up to 2,000 transactions & 65,000 users.
- ▶ Tag reader is extremely reliable & robust. Dust, frost & dirt are its friends.
- ▶ If power failure occurs the system retains data in its non-volatile memory.
- ▶ NEW sudden fuel loss alert via text/email (FC.SLA).
- ▶ Versions available to resell fuel (MIR certified).
- ▶ Optional link to O.L.E. T5020 tank gauges with the FC20 reporting cloud based software, fully automatic stock reporting (FC.TGE).
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year SIM & hosting contract that keeps the cloud software updated & continued HYTEK remote support included, both are a yearly ongoing fee.
- ▶ Online demo available. See pages 122 & 123 for more details.



FC10.WB

Stock Code	Description
FC20.WM	FC20 wall mount terminal, GPRS modem/SIM 1st year hosting, controls up to 2 pumps
FC20.WM.4	As above however controls up to 4 dispensing pumps
FC10.WB	FC20 cloud based software (one required per customers site, example 5 sites for X Plant Hire only 1 x required)
FC10.TAGR	FC20 datatag 1 per vehicle / driver (how many are required) sold in units of 1
FC20.COMMIS	Remote commissioning/end user training for FC20
FC20.COMMISM	Additional terminals charge (per site) for remote commissioning/end user training for FC20
Options	
FC.SLA NEW	Sudden loss alarm helps prevent fuel loss
FC.TGE	Links 6x O.L.E. T5020 tank gauges to the FC20 reporting cloud based software, fully automatic stock reporting
Ongoing costs after year 1	
FCH	Site 1 cloud software management/hosting contract fee - 12 months
FCHM	Additional sites charged per site cloud software management/hosting contract fee - 12 months
FCS	SIM card management/contract fee - 12 months

FC20 FMS - Cloud Based - GSM - Floor Mount

- ▶ Ideal for large fleets & multiple sites/multiple user operators or when customers are using high volumes of fuel & or need to account for every drop.
- ▶ Suitable with diesel & AdBlue®. 304 stainless steel terminal housing.
- ▶ 230V power supply.
- ▶ FMS to control up to 2 pumps (FC20) or 4 pump option (FC20.4).
- ▶ Heavy duty keypad for odo readings, driver ID, fleet numbers & job codes.
- ▶ Clear visible back lit display with message facility.
- ▶ CO2 readings available ideal for bus/coach sectors.
- ▶ Uses guaranteed for life vehicle/driver datatags (tags).
- ▶ Up to 65,000 different tags on one system.
- ▶ Security: Vehicle/driver tag & odometer (odo) entry, odo check & MPG calculation. Optional: driver code & or driver tag & additional pin code entry.
- ▶ Tags are pre-programmed, stores up to 2,000 transactions & 65,000 users.
- ▶ Tag reader is extremely reliable & robust. Dust, frost & dirt are its friends.
- ▶ If power failure occurs the system retains data in its non-volatile memory.
- ▶ NEW sudden fuel loss alert via text/email (FC.SLA).
- ▶ Versions available to resell fuel (MIR certified).
- ▶ Optional link to O.L.E. T5020 tank gauges with the FC20 reporting cloud based software, fully automatic stock reporting (FC.TGE).
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year SIM & hosting contract that keeps the cloud software updated & continued HYTEK remote support included, both are a yearly ongoing fee.
- ▶ Online demo available.
- ▶ See pages 122 & 123 for more details.

Pumptronics



FC20



FC10.TAGR



FC.TGE



FC10.WB

Stock Code	Description
FC20	FC20 floor mount terminal, GPRS modem/SIM 1st year hosting, controls up to 2 pumps
FC20.4	As above however controls up to 4 dispensing pumps
FC10.WB	FC20 cloud based software (one required per customers site, example 5 sites for X Plant Hire only 1 x required)
FC10.TAGR	FC20 datatag 1 per vehicle / driver (how many are required) sold in units of 1
FC20.COMMIS	Remote commissioning/end user training for FC20 – 12 months
FC20.COMMISM	Additional terminals charge (per site) for remote commissioning/end user training for FC20
Options	
FC.SLA	Sudden loss alarm helps prevent fuel loss
FC.TGE	Links 6x O.L.E. T5020 tank gauges to the FC20 reporting cloud based software, fully automatic stock reporting
Ongoing costs after year 1	
FCH	Site 1 cloud software management/hosting contract fee - 12 months
FCHM	Additional sites charged per site cloud software management/hosting contract fee - 12 months
FCS	SIM card management/contract fee – 12 months



ALPHA/70AFC



FC.TGE


FC10.TAGR

ALPHA Pump/Integral FMS - Cloud - GSM - FC10 Mono

Ideal for large fleets & multiple sites/multiple user operators or when customers are using high volumes of fuel/or need to account for every drop

Integral unit based on the Pumptronics ALPHA dispensing pump with FC10 fuel management system.

- ▶ Uses the same technology as our FC20, it's a pump with integral FMS.
- ▶ Diesel is classed as a flammable liquid under the CLP Regulations.
- ▶ This unit is ATEX certified. 304 stainless steel cabinet. 230V power supply.
- ▶ Suitable with diesel & biodiesel up to B30 (Petrol version available).
- ▶ Meter accuracy +/-0.25%. Ideal to link to our O.L.E. T5020 tank gauge.
- ▶ You can connect a 2nd ALPHA pump via an expansion board (FC10.2P).
- ▶ Option to use master/slave options, connects up to 25 in total.
- ▶ Heavy duty keypad for odo readings, driver ID, fleet numbers & job codes.
- ▶ Clear visible back lit display with message facility.
- ▶ CO2 readings available ideal for bus/coach sectors.
- ▶ Uses guaranteed for life vehicle/driver datatags (tags).
- ▶ Up to 65,000 different tags on one system.
- ▶ Security: Vehicle/driver tag & odometer (odo) entry, odo check & MPG calculation. Optional: driver code & or driver tag & additional pin code entry.
- ▶ Tags are pre-programmed, stores up to 2,000 transactions & 65,000 users.
- ▶ Tag reader is extremely reliable & robust. Dust, frost & dirt are its friends.
- ▶ If power failure occurs the system retains all data in its non-volatile memory.
- ▶ NEW sudden fuel loss alert via text/email (FC.SLA).
- ▶ Versions available to resell fuel (MIR certified).
- ▶ Optional link to O.L.E. T5020 tank gauges with the FC20 reporting cloud based software, fully automatic stock reporting (FC.TGE).
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year SIM & hosting contract that keeps the cloud software updated & continued HYTEK remote support included, both are a yearly ongoing fee.
- ▶ Online demo available. See pages 122 & 123 for more details.
- ▶ For automatic nozzle options see page 110.

Stock Code	Description
ALPHA/70AFC	ALPHA pump 70L/min with integral FC10 FMS, meter accuracy +/-0.25% (no modem, no nozzle)
ALPHA/90AFC	ALPHA pump 90L/min with integral FC10 FMS, meter accuracy +/-0.25% (no modem, no nozzle)
FC10.GPRS	GPRS modem/SIM for ALPH/FC10 (one required per pump)
FC10.WB	FC10 cloud software (one required per customers site, example 5 sites for X Plant Hire only 1 x required)
FC10.TAGR	FC10 datatag 1 per vehicle / driver (how many are required) sold in units of 1
FC10.COMMIS	Remote commissioning/end user training for FC10 – 12 months
FC10.COMMISM	Additional terminals charge (per site) for remote commissioning/end user training for FC10
Options	
FC10.2P	Expansion board connects an ALPHA/70AFC or ALPHA/90AFC to a 2nd ALPHA non FC10 pump
FC.SLA 	Sudden loss alarm helps prevent fuel loss
FC.TGE	Links 6x O.L.E. T5020 tank gauges to the FC10 reporting cloud based software, fully automatic stock reporting
Ongoing costs after year 1	
FCH	Site 1 cloud software management/hosting contract fee - 12 months
FCHM	Additional sites charged per site cloud software management/hosting contract fee - 12 months
FCS	SIM card management/contract fee – 12 months

ALPHA Pump/Integral FMS - Cloud - GSM - FC10Twin

If two pumps are required, you could choose two mono pumps or save money choose a twin, ideal if the pump is going on a fuel island.

- ▶ Lower speed pump/outlet on the left, high speed on the right.
- ▶ Pumping speed 50L/min for cars/vans, 70L/min for trucks, 90L/min for artic/plant vehicles.
- ▶ You can fill a car at the same time as an earth mover, from the same pump.
- ▶ One side is our FC10 FMS with keypad, the other side has a standard ALPHA pump display.
- ▶ Two pump units, two meters housed in one cabinet.
- ▶ Uses the same technology as our FC20, it's a pump with integral FMS.
- ▶ Diesel is classed as a flammable liquid under the CLP Regulations.
- ▶ This unit is ATEX certified. 304 stainless steel cabinet. 230V power supply.
- ▶ Suitable with diesel & biodiesel up to B30.
- ▶ Meter accuracy +/-0.25%. Ideal to link to our O.L.E. T5020 tank gauge.
- ▶ Option to use master/slave options, connects up to 25 twins/50 pumps.
- ▶ Heavy duty keypad for odo readings, driver ID, fleet numbers & job codes.
- ▶ Clear visible back lit display with message facility.
- ▶ CO2 readings available ideal for bus/coach sectors.
- ▶ Uses guaranteed for life vehicle/driver datatags (tags).
- ▶ Up to 65,000 different tags on one system.
- ▶ Security: Vehicle/driver tag & odometer (odo) entry, odo check & MPG calculation. Optional: driver code & or driver tag & additional pin code entry.
- ▶ Tags are pre-programmed, stores up to 2,000 transactions & 65,000 users.
- ▶ Tag reader is extremely reliable & robust, dust, frost & dirt are its friends.
- ▶ If power failure occurs the system retains all data in its non-volatile memory.
- ▶ NEW sudden fuel loss alert via text/email (FC.SLA).
- ▶ Optional link to O.L.E. T5020 tank gauges with the FC20 reporting cloud based software, fully automatic stock reporting (FC.TGE).
- ▶ We support you/your customer to complete the setup questionnaire.
- ▶ First-year SIM & hosting contract that keeps the cloud software updated & continued HYTEK remote support included, both are a yearly ongoing fee.
- ▶ Online demo available. See pages 122 & 123 for more details.
- ▶ For automatic nozzle options see page 110.

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FC10TAGR



ALPHA/7070AFC



FC.TGE

Stock Code	Description
ALPHA/5050AFC	Twin ALPHA pump 50/50L/min with integral FC10 FMS, meter accuracy +/-0.25% (no modem, no nozzle)
ALPHA/5090AFC	Twin ALPHA pump 50/90L/min with integral FC10 FMS, meter accuracy +/-0.25% (no modem, no nozzle)
ALPHA/7070AFC	Twin ALPHA pump 70/70L/min with integral FC10 FMS, meter accuracy +/-0.25% (no modem, no nozzle)
ALPHA/7090AFC	Twin ALPHA pump 70/90L/min with integral FC10 FMS, meter accuracy +/-0.25% (no modem, no nozzle)
ALPHA/9090AFC	Twin ALPHA pump 90/90L/min with integral FC10 FMS, meter accuracy +/-0.25% (no modem, no nozzle)
FC10.GPRS	GPRS modem/SIM for ALPH/FC10 (one required per twin pump)
FC10.WB	FC10 software (one required per customers site) example 5 sites for X Plant Hire only 1 x software required
FC10.TAGR	FC10 datatag 1 per vehicle / driver (how many are required) sold in units of 1
FC10.COMMIS	Remote commissioning/end user training for FC10 – 12 months
FC10.COMMISM	Additional terminals charge (per site) for remote commissioning/end user training for FC10
	Options
FC10.2P	Expansion board connects an ALPHA/70AFC or ALPHA/90AFC to a 2nd ALPHA non FC10 pump
FC.SLA 	Sudden loss alarm helps prevent/advise fuel loss
FC.TGE	Links 6x O.L.E. T5020 tank gauges to the FC10 reporting cloud based software, fully automatic stock reporting
	Ongoing costs after year 1
FCH	Site 1 cloud software management/hosting contract fee - 12 months
FCHM	Additional sites charged per site cloud software management/hosting contract fee - 12 months
FCS	SIM card management/contract fee – 12 months



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Automatic Tank Gauge Interface - FC20/FC10 FMS

Why Choose An Automatic Tank Gauge Interface?

- ▶ No need to add deliveries or add book stock.
- ▶ Fully integrates into our FC20/FC20 FMS cloud-based software.
- ▶ Gauge information is displayed within the FC20/FC20 reports meaning it is a true fuel control reporting package.
- ▶ Triggers low stock warnings via email.
- ▶ Visual stock alerts on the software reports.
- ▶ Automatically logs fuel stock deliveries on the software.
- ▶ Provides early warning of tank leakage, unaccountable reductions in tank contents are recorded.
- ▶ Can connect up to 6 x O.L.E. T5020 tank gauges, accuracy +/-0.25% (makes sense to ensure the dispensing pumps connected to the FC20 FMS has the same high accuracy dispensing meter of +/-0.25%).

Stock Code	Description
FC.TGE	Tank gauge hardware interface for up to 6 x O.L.E. T5020 tank gauges
	Excludes actual tank gauges, see page 145 for tank gauge information

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API Options With Our FC10/FC20 FMS Software

Our cloud-based software can either accept or offer an API. Allows other programs/software certain access within their software, securely & with ease. Data integration is easy using our software & data can be exported or imported. APIs provide a method of transferring relevant information with little effort. Once set up an API provides a direct link to the information required & works 24/7 or as required to retrieve data from a third-party cloud-based system & populate our FC20/FC10 software with relevant information **suggestions below:**



- ▶ Odometer readings from a tracker type system.
- ▶ Service intervals from a fleet management system.
- ▶ Fuel card transactions off site/on-site fuel usage are simultaneous.
- ▶ Unusual stock movements. Low level pump disable.

What Costs Are Involved?

Sometimes the costs are minimal if the work has already been completed on an API. To integrate in, say a tracking system however, if no previous work has been carried out the cost is higher & can take several weeks in development time.

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FC10/FC20 Automatic Vehicle Recognition - AVR

Our AVR system does not require a handheld datatag. Calculates fuel efficiency based on fuel delivered against automatic odometer capture.

- ▶ Stops input at the FMS terminal. Prevents human error.
- ▶ Faster refuelling, saves time, saves money.
- ▶ Helps prevent unauthorized fuelling's. No need for separate tags.
- ▶ Ensures the correct fuel is delivered into to the correct vehicles.
- ▶ No cables or complicated installation process.
- ▶ These tags come in various shapes & sizes & can be pop riveted, screwed, or stuck on.
- ▶ The refuelling nozzle has an RFID reader moulded into the cover. This reads the datatag mounted near the vehicles tank filler neck & authorizes the dispensing pump to start fuelling.
- ▶ Data is captured automatically & connects back to our software.
- ▶ The FC20/FC20 FMS still has a datatag reader in case you require a handheld tag for fuelling a contractor's vehicle, or a new vehicle that does not have the tag fitted at the vehicles tank, or you have a contractors mobile bowser that needs refuelling.

Contact us to discuss your customers requirements.



**TAG FOR VEHICLE
FUEL TANK**