

# Portable Fuel Dispensing Unit 220V AC

*EFDU-AC-20*



## *Key Features:*

Accuracy $\pm 0.1\%$	Current Reading: 999999.99
Repeatability 0.02%	Accumulative Reading: 9999999
Flow Rate: 1-40LPM	Emergency ON/OFF
Calibration Knob	Weather Proof Enclosure
Power: 220V AC	1-Flowmeter-1Nozzle-1Pump-1Motor

### ***EASTERN AUTOMOTIVE MACHINE TOOLS PVT. LTD.***

1243, M.I.E. Part-B, Bahadurgarh-124507 (Haryana) INDIA  
Tel: +91-9416202456

Email: [info@eastmanmeters.com](mailto:info@eastmanmeters.com)  
Web: [www.eastmanmeters.com](http://www.eastmanmeters.com)

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## About the Product

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EAST-MAN 220V AC Mobile Fuel Dispensing System is a self contained, demountable fuel dispensing unit which has been designed to meet the needs of fuel distributors who's customers require low volume 'Metered' deliveries of fuel into sites where it may not be cost effective or practical to send a conventional fuel delivery tanker. The compact unit comprises an 220V AC Transfer Pump, EAST-MAN positive displacement flowmeter and Hose Pipe with AutoShut Nozzle which, when required, can quickly be mounted any where where it is impossible to use a conventional Tanker, and deployed for delivery.

A 220V AC Voltage Source, which provides power for the 40 LPM electric pump unit which is controlled by the Electronic Kit which is Installed in the Panel of the Unit. Product quantity is accurately measured by a Legal Metrology India approved EASTMAN flow meter (IND/09/2004/01) which is fitted with an inlet strainer, air eliminator and NRV .

Product is dispensed through the standard 4m x 20mm delivery hose which terminates with a 3/4" dispensing AutoShut nozzle and is stowed neatly on a Nozzle Boot fixed in the Unit. The length of the Hose can be changed according to the customer's requirement.

EAST-MAN 220V AC Portable Fuel Dispensing Unit can be engineered to meet with customer's specific requirements and can be configured for dispensing a range of liquid fuels, Diesel, Kerosene and all other non-corrosive petroleum liquids.

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# Features

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## The Electronics

- 3-Display LCD
- Multi Functional Keypad
- Instant Ticket Printer
- Emergency OFF/ON Switch
- The latest 10 sales records are query-able.
- The dispenser is Pin lockable when not in use.
- The re-display period when power off is settable.
- Shift & general total are both settable and clearable.
- Error code: The keyboard would show error codes when dispenser doesn't work well.
- Printer, the title of which is settable. You can change the title into the name of your company name.
- Preset: You can refuel with a preset volume or price. And there is a shortcut, batch buttons on the keyboard. After a button is set as a value, it refuels by this value automatically when you press the button.
- All functions can be customised to meet your own requirements.
- All operations can be done through Keyboard.



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## Features

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### Flow Meter

Product quantity is accurately measured by a Legal Metrology India approved *EAST-MAN* flow meter (IND/09/2004/01) which is fitted with an inlet strainer, air eliminator and NRV .



*EAST-MAN* Petroleum Metering Unit (Liquid Flow Meter) are positive displacement, reciprocating piston type Meters, designed for high sustained accuracy and continues volumetric measurement of any non corrosive liquid flowing through a pipeline. Especially suited to check the exact receipt, transfer, consumption, dispensing, mixing, packaging of oil/liquids. This unit is widely adaptable to other various types of services. It will not freeze or get air locked to and does not require more attention than any other ordinary type of meter or equipment.

Advanced manufacturing techniques, dimensional accuracy, rigid C.I. body, low noise, cost effective and foremost indigenously built make *EAST-MAN* petroleum metering unit exceptionally reliable.

### Transfer Pump

For Fuelling Diesel, Kerosene. Cast Iron Pump Casting, treated against corrosion, Mechanical Seal that guarantees constant reliability, even in low temperatures. Vane Pump with Steel Rotor. By-pass Valve built in. In built 100 micron filter, easily accessible for cleaning. Induction Motor with aluminium casting. Grade of Protection, IP54.



### Nozzle

Small, trim, light weight, easy and convenient to use. Accurate flow control allows customers to fuel their tanks to the exact quantity they want, and its easy to stop liquid flow precisely. Auto shut Nozzles help in increasing Productivity, sales and profits.



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# Testing and Calibration

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The Meter and Accessories are carefully inspected and tested before leaving the factory. Meters are tested for accuracy and sealed. After the meter is installed, it should again be tested. If calibration is required, it is done by removing lock pin and turning the calibration wheel. If the amount in the measuring instrument is less than the counter shows, rotate the wheel in clockwise direction. If the amount in the measuring instrument is more than the counter shows, rotate the wheel in counter clockwise direction.

After adjusting to give desired direction, Insert the lock pin back into the hole. A seal wire should then be slipped in the Lock Pin Hole, through the Bolt Head in the counter, and wrapped around the rim of the wheel. Then both ends of the seal wire should be sealed with lead seal.

Note: Always calibrate the meter with the same liquid the meter has to measure. To obtain the maximum accuracy & efficiency, the meter should be tested at regular intervals, and recalibrate if required.

## Applications

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<i>Automotive</i>	<i>Cosmetics</i>	<i>Delivery</i>	<i>Paint&amp;Varnish</i>
<i>Agriculture</i>	<i>Chemical Processing</i>	<i>Industrial</i>	<i>Petroleum</i>
<i>Adhesives</i>	<i>Concrete Add Mixtures</i>	<i>Hydrocarbon</i>	<i>Beverage</i>
<i>Marine</i>	<i>Dairy</i>	<i>Processing</i>	<i>Pulp&amp;Paper</i>
<i>Aviation Fuelling</i>	<i>Liquid Fertilisers</i>	<i>Lube Oil</i>	<i>Textile</i>

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# Technical Specifications

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Model	EFDU-AC-20
Applicative Range	Diesel, Kerosene, Non-Corrosive Petroleum Liquid
Flow Rate	1-40 LPM
Accuracy	0.1%
Inlet	1"
Outlet	3/4" Auto Shut Nozzle
Input Voltage	220V AC
Suction/Lift	Self-Priming
Pump	Vane Pump with built in By-Pass Valve
Motor	220V AC 550W
Strainer	Yes
Max. pressure	50 PSI
Max Temp	80 deg C
Meter	Reciprocating Type PD
Display	Electronic 3-Display with white backlight
Calibration	Mechanical through Calibration Knob
Hose	3/4" x 4m
Least Count	10ml

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