

Mobile Fuel Dispensing Unit 12V DC

FDU-BT-20



Key Features:

Accuracy $\pm 0.1\%$	Current Reading: 9999.9
Repeatability 100%	Accumulative Reading: 99999999
Flow Rate: 1-35LPM	Easy ON/OFF Switch
Calibration Knob	Weather Proof Enclosure
Power: 12V DC	1-Flowmeter-1Nozzle-1Pump-1Motor

EASTERN AUTOMOTIVE MACHINE TOOLS PVT. LTD.

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Tel: +91-9416202456

Email: info@eastmanmeters.com
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About the Product



EAST-MAN 12V DC 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 plant equipment, building sites, generators, boats, green houses and other sites which may have difficult access and where it may not be cost effective or practical to send a conventional fuel delivery tanker.

The compact unit comprises an 12V DC battery operated pump, meter and hose reel which, when required, can quickly be mounted in the back of a van, pick-up or drop side truck together with an IBC or small demountable tank and deployed for delivery.

A 12V battery, which can be trickle charged from the vehicle charging system, provides power for the 35 LPM electric pump unit which is started and stopped by the electric DP main switch.

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 .

Product is dispensed through a 8m x 20mm delivery hose which terminates with a 1" dispensing nozzle and is stowed neatly on a Manually Operated Hose Reel.

EAST-MAN 12V DC Mobile Fuel Dispensing System can be engineered to meet with customer's specific requirements and can be configured for dispensing a range of liquid fuels, lubes and all other non-corrosive petroleum liquids.

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Features

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. Induced flow lubrication system ensures unsurpassed volumetric efficiency. Gear Pump with Built-In By-Pass Valve ensuring long life & Ruggedness coupled with 12VDC PMDC Electric Motor. Rated Pressure: 100psi



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

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

<i>Automotive</i>	<i>Cosmetics</i>	<i>Delivery</i>	<i>Paint&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&Paper</i>
<i>Aviation Fuelling</i>	<i>Liquid Fertilisers</i>	<i>Lube Oil</i>	<i>Textile</i>

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Technical Specifications

Model	FDU-BT-20
Applicative Range	Petrol, Diesel, Kerosene, any Non-Corrosive Petroleum Liquid
Flow Rate	1-35 LPM
Accuracy	0.1%
Inlet	1"
Outlet	1" Auto Shut Nozzle
Input Voltage	12V DC
Suction/Lift	Self-Priming
Pump	Gear Pump with built in By-Pass Valve
Motor	12V PMDC Foot Mounted
Strainer	Yes
Max. pressure	50 PSI
Max Temp	80 deg C
Meter	Reciprocating Type PD
Display	Mechanical (0000.0)
Calibration	Mechanical through Calibration Knob
Hose	3/4" x 8m
Least Count	100ml
Total Weight	150 Kg (approx)

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