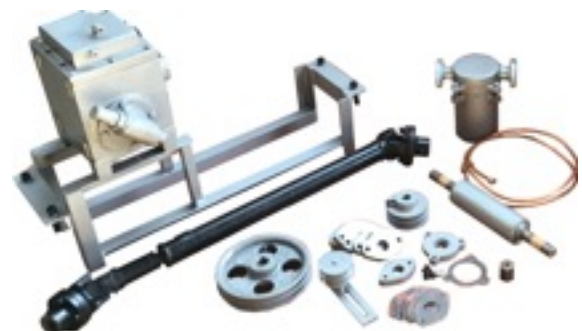


# **EAST-MAN** Tanker Truck PTO Operated Digital Fuel Dispensing Unit

**EMDU-PTO-25**

## **Key Features:**

- Accuracy  $\pm 0.1\%$
- Current Reading: 999999.99
- Repeatability  $\pm 0.02\%$
- Accumulative Reading: 9999999
- 12V DC Supply for Electronic Controller
- Calibration- Available
- Can Enter VEHICLE NO. in PRINT RECEIPT
- Can PRESET by VOLUME or PRICE
- PTO Drive Assembly Kit and Fittings for Pump
- Flow Rate: 1-80LPM
- Easy ON/OFF
- Weather Proof & Lockable Enclosure
- Instant Receipt/Ticket Printer
- EAST-MAN Flow Meter Size 1" Inlet 1" Outlet
- EAST-MAN Internal Rotary Gear Pump
- Metallic Functional Keyboard
- Solenoid Valve, Pulsar
- Electronic Controller Kit with PRESET & 3-Display LCD
- Non- Resettable LCD Totaliser (7 digit)
- Self-Retractable Hose Reel with 10m x 1" Hose
- Nozzle Boot
- Auto shut Nozzle 1" with Swivel Joint



## About the Product

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*EAST-MAN* P.T.O. Operated Digital Fuel Dispensing Unit is a self contained, demountable fuel dispensing unit which has been designed to meet the needs of fuel distributors who's customers require 'Accurate Metered' deliveries of fuel into plant equipment, building sites, mining sites, generators, boats, green houses etc. *EAST-MAN* P.T.O. Operated Digital Fuel Dispensing Unit, when required, can quickly be mounted any where and deployed for delivery.

Electronic Kit & Hose Reel fitted in Lockable Box.

The Auxiliary Gearbox P.T.O. of the truck, which provides torque for the 100 LPM Internal Rotary Gear Pump which pumps the fuel to the meter, 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 *EAST-MAN* flow meter which is fitted with an inlet strainer, air eliminator and NRV .

Product is dispensed through the standard 10m x 25mm delivery hose wound on the Self-retractable Hose Reel which terminates with a 1" 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.

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

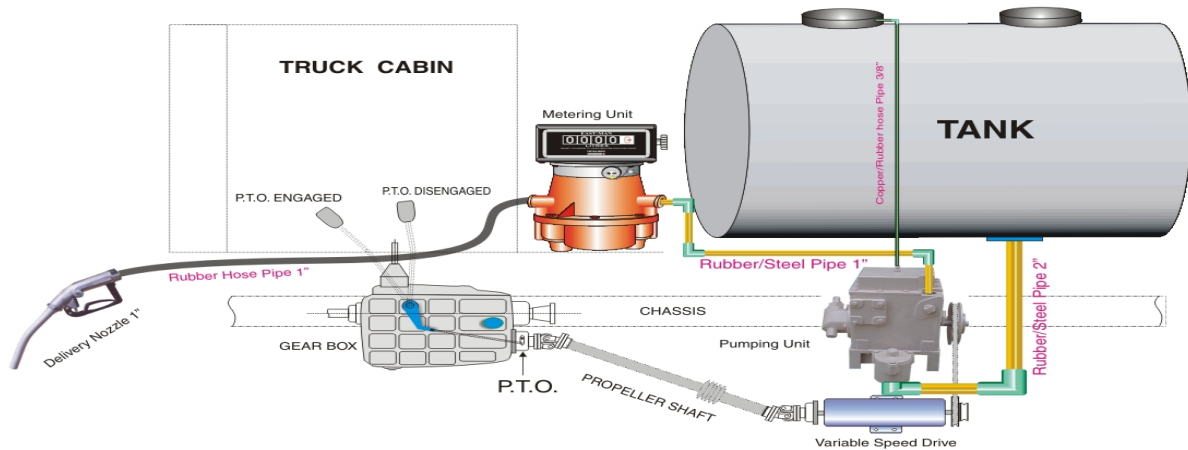
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# The P.T.O. Operation Mechanism

**EAST-MAN**

## P.T.O.(Power Take Off) Operating Mechanism



Eastern Automotive Machine Tools Pvt. Ltd.

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EAST-MAN products to make a functional Diesel Bowser. PTO Driven Diesel Bowser is a self contained fuel dispensing unit which has been designed to meet the needs of fuel distributors who's customers require 'Metered' deliveries of fuel into plant equipment, building sites, generators, boats, green houses etc.

In this application, the tank truck (Diesel Bowser) must be pre fitted with P.T.O. (Power Take Off) system. This system is generally provided by the truck manufacturer to handle hydraulics or other power applications. If it is not fitted in the truck, then it is to be procured from the manufacturer or from the market in accordance of model or make of the truck. The supplied items are to be fitted by any skilled fabricator on the truck chassis in accordance with the enclosed sketch (PTO Mechanism).

Product quantity is accurately measured by a Legal Metrology, Govt. of India approved EAST-MAN flow meter. These Meters are designed to work in harsh environment with sustained accuracy at negligible maintenance.

Product is dispensed through the standard 10m x 25mm delivery hose wound on the Self-retractable Hose Reel which terminates with a 1" 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.

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*For Continuous Development & Improvement, the Right is reserved to vary and modify any specification without any prior Notice.*

# Features

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## The Electronics

- *3-Display LCD*
- *Multi Functional Keyboard*
- *Instant Ticket Printer*
- *Enter Vehicle No. on Print Receipt*
- *Non-Resettable LCD Totaliser(7 digit)*
- *Can PRESET by VOLUME or PRICE*
- *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 Keypad.*



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## Flow Meter

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Product quantity is accurately measured by a Legal Metrology, Govt. of INDIA approved *EAST-MAN* flow meter.

*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

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*EAST-MAN* Internal Rotary Gear Pumps are the most advanced positive displacement and self priming pumps, designed for large suction capacity as well as high pressure discharge capacity, Especially suited for handling highly inflammable fuel oils, Solvents, Lube Oils, Hydraulic oil, Mineral Oil, Synthetic Oil, Animal Oil & other non-corrosive Oil/ Liquids.



*EAST-MAN* Internal Rotary Gear Pumps are well protected as they have in built by-pass valve, check valve, pressure relief valve, strainer, air separator and provision of dual outlet which also makes it very cost effective.

Advanced manufacturing techniques, dimensional accuracy, rigid C.I. body, low noise high discharge capacity and foremost indigenously built makes *EAST-MAN* Internal Rotary Gear Pump exceptionally reliable.

## Nozzle

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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.



# Technical Specifications

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Model	EMDU-PTO-25
Applicative Range	Diesel, Biodiesel, Kerosene, Non-Corrosive Petroleum Liquid
Flow Rate	1-80 LPM
Accuracy	±0.1%
Inlet	1"
Outlet	1" Auto Shut Nozzle
Totaliser	9999999 (Non-Resettable LCD Totaliser)
Suction/Lift	Self-Priming
Pump	Internal Rotary Gear Pump with built in By-Pass Valve
Hose Reel	Self-Retractable 1" x 10mtr
Strainer	Yes
Max. pressure	50 PSI
Max Temp	80 deg C
Meter	Reciprocating Type PD
Display	Electronic 3-Display LCD (999999.99)
Calibration	Yes
Hose	10m x 1" Standard (Changeable)
Least Count	10ml

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