

## Complex lubricant management system with data handling

It ensures complete supervision and handling furthermore dispensing and measuring of lubricants for the automotive industry and for vehicles.

The basic system is modular and able to handle 4 lubricants with 4 dispensing points.

The system is scalable according to customer requests handling up to 16 lubricants with 256 dispensing points, intelligent terminals and ERP software connection for industrial applications.

It is suitable to install new systems and for modernization of existing systems, too.

The user identification and the dispensing is possible via intelligent terminals.

The user rights can be managed and the user operations are registered.

The industrial communication ensures installation of the dispensing stations over long distances.

Data connection via local computer network or internet.



### System components

#### Parts, equipment for lubrication

- Pumps, dump tanks against accidental losses, hose reels, dispensing guns – furthermore all required part, auxiliary equipment to install and operate lubricant dispensing systems

#### E-TOM-CU central unit

- Supervising the complete system, coordinating the operation of the system components
- Ensuring computer connection

#### E-TOM-ST station

- Basic user unit of the system
- It ensures lubricant dispensing via intelligent terminal
- Built in a control box it contains all system- and control elements to operate the unit.
- It can consist 1 – 4 dispensing and measuring modules, therefore one station is capable to handle 4 – 8 – 12 – 16 lubricants
- In EnergoTOM system 16 stations can be installed

#### E-TOM-DM dispensing and measuring module

- Controlling the dispensing valves and measuring the amount of lubricants at the dispensing points.
- One dispensing and measuring module can handle 1 – 4 lubricants
- At the same time 2 lubricant dispensing is possible per module

#### Further optional possibilities

- Remote control and data connection possibility via internet
- ERP system connection (ABAS, SAP, K2D, etc)



### Possible system configurations

- ↳ Measured lubricant dispensing with barrels and pumps
- ↳ System integrated and measured lubricant dispensing with user management
  - ↳ Data connection via internet to create lubricant usage statistics to support warehousing tasks and management decisions
  - ↳ ERP system connection

### Technical data

#### E-TOM-ST station

Number of lubricants:	4-8-12-16
Number of dispensing at the same time:	2-4-6-8
Number of dispensing at the same time with the same lubricant:	maximum 2
Operating pumps at the same time:	maximum 4
Number of users:	maximum 80
Number of E-TOM-ST stations:	maximum 16
Number of terminals:	maximum 16
Number of dispensing points:	maximum 256
Accuracy of the dispensing:	±30 ml
Dimensions of the control box:	400 x 400 x 200 mm
Supply:	230V AC
Fuse:	4 A
Equipotential bonding grid connection is required.	



Demonstration equipment for one lubricant

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