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## ASSESS OF LIQUID MEDIA

- Refractometer for the evaluation of different media.
- Depending on the installed scale, the following media can be tested:
- Battery acid: assessment of the battery acid density
- Cooling water: assessment of antifreeze safety
- Windshield washer fluid: assessment of antifreeze safety
- AdBlue®\*: quality assessment

\*AdBlue® is a registered trademark of VDA, the Association of the German Automotive Industry

## REFRACTOMETER (FOR RADIATOR COOLANT, BATTERY ACID, WINDSHIELD WASHER FLUID, UREA (ADBLUE®\*))



item number :  
FT 2030.1 (110306\_40)

### DESCRIPTION

- Refractometer for determining the density of liquid media
- Adjustable ocular for different visual acuities
- Scales for different media
- Result is easily readable on the light-dark line
- Scale for:
- frost protection in cooling water
- frost protection in windshield washer fluid
- Battery acid density
- Urea (AdBlue®\*)
- Tested and recommended by BASF.

\*AdBlue® is a registered trademark of VDA, the Association of the German Automotive Industry.

# REFRACTOMETER (FOR RADIATOR COOLANT, BATTERY ACID, WINDSHIELD WASHER FLUID)



## FT 2030\_blaue DESCRIPTION

- Refractometer for determining the density of liquid media
- Adjustable ocular for different visual acuities
- Scales for different media
- Result is easily readable on the light-dark line
- Scale for:
  - frost protection in cooling water
  - frost protection in windshield washer fluid
  - Battery acid density
  - Urea (AdBlue®\*)
- Tested and recommended by BASF.

\*AdBlue® is a registered trademark of VDA, the Association of the German Automotive Industry.

## REFRACTOMETER FOURFOLD SCALE AND LED LIGHTING



## item number : FT 2030 LED (110313\_1)

### DESCRIPTION

- Refractometer for determining the density of liquid media
- Adjustable ocular for different visual acuities
- Scales for different media
- Switchable LED lighting for use in poor lighting conditions
- Result is easily readable on the light-dark line
- Scale for:
  - battery acid density
  - AdBlue®\*
  - for frost protection in cooling water
  - for frost protection in windshield washer fluid

\*AdBlue® is a registered trademark of VDA, the Association of the German Automotive Industry

### SCOPE OF DELIVERY

- 1 Refractometer with LED lighting
- 1 Pipette
- 1 Instruction
- in small solid plastic case

## REFRACTOMETER (IN SOLID ALUMINIUM HOUSING FOR RADIATOR COOLANT, BATTERY ACID, ADBLUE®\*)



item number :  
**FT 2030\_AL (110311\_1)**

### *DESCRIPTION*

- Refractometer for determining the density of liquid media
- Particularly robust and resistant due to the aluminium design
- Adjustable ocular for different visual acuities
- Scales for different media
- Result is easily readable on the light-dark line
- Scale for:
  - battery acid density;
  - AdBlue®\*
  - for frost protection in cooling water
  - for frost protection in windshield washer fluid

\*AdBlue® is a registered trademark of VDA, the Association of the German Automotive Industry

### **SCOPE OF DELIVERY**

- 1 x Refractometer
- 1 x Pipette
- 1 x Instructions
- 1 x Small case

### *SPARE PARTS*

- ET 239\_blue (121137) Flap for FT 2030
- ET 195\_blue (121103) Flap holder for FT 2030
- ET 188 (121102) Pipette

## REFRACTOMETER (FOR RADIATOR COOLANT, BATTERY ACID, ADBLUE®\*)



item number :  
**RFM 02\_AB (110306\_24)**

### *DESCRIPTION*

- Refractometer for determining the density of liquid media
- Adjustable ocular for different visual acuities
- Scales for different media
- Result is easily readable on the light-dark line
- Scale for:
  - frost protection in cooling water
  - Battery acid density
  - Quality of AdBlue® operating fluid

\*AdBlue® is a registered trademark of VDA, the Association of the German Automotive Industry.

### *SPARE PARTS*

- ET 239\_blue (121137) glass flap with dowel pin
- ET 195\_blue (121103) glass holder (ASB-ring)
- ET 188 (121102) pipette

# COOLANT DIAGNOSIS (PRO)



**item number :**  
**CD 01 (110407\_1)**

## *DESCRIPTION*

- The most extensive coolant analysis will be returned 4 - 5 working weeks after receipt of the samples.
- For monitoring the coolant quality in internal combustion engines and technical systems.
- Coolant is used for thermal protection and for increasing performance and operating safety in the majority of internal combustion engines that are currently used in motor vehicles, rail vehicles, ships, block-type thermal power stations and industrial systems, for example.
- Monitoring of the coolant quality as a preventive measure increases operational safety and reduces the operating costs.

# COOLANT DIAGNOSIS



**item number :**  
**CD 02 (110408\_1)**

## *DESCRIPTION*

- A complete coolant analysis will be returned 2 - 3 working weeks after receipt of the samples.
- For monitoring the coolant quality in internal combustion engines and technical systems.
- Coolant is used for thermal protection and for increasing performance and operating safety in the majority of internal combustion engines that are currently used in motor vehicles, rail vehicles, ships, block-type thermal power stations and industrial systems, for example.
- Monitoring of the coolant quality as a preventive measure increases operational safety and reduces the operating costs.

# COOLANT DIAGNOSIS (PRE)



item number :  
CD 03 (110409\_1)

## DESCRIPTION

- A preliminary coolant test will be returned 1 - 2 working weeks after receipt of the samples.
- For monitoring the coolant quality in internal combustion engines and technical systems.
- Coolant is used for thermal protection and for increasing performance and operating safety in the majority of internal combustion engines that are currently used in motor vehicles, rail vehicles, ships, block-type thermal power stations and industrial systems, for example.
- Monitoring of the coolant quality as a preventive measure increases operational safety and reduces the operating costs.

# SAMPLE TAKING KIT



item number :  
PEK 01 (110400\_1)

## DESCRIPTION

- For the removal and collection of non-aggressive liquids for further analysis, e.g. for coolant diagnosis
- A vacuum is created with the hand piston, which draws the liquid to be aspirated into the sample bottle
- The device may not be used for highly flammable, explosive liquids and liquids that damage PE

## SCOPE OF DELIVERY

- 1 PEK pump
- 6 Sample bottles 100 ml
- 6 PE suction hose à 900 mm
- 1 Direction for use
- Delivery in solid plastic case

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