USE: LEAD-ACID BATTERIES

Scale 1.080 - 1.320 g/cm³ 10 - 35 degrees Bé +15°C div. 0.01 g/cm³

PRODUCT IDENTIFICATION

Battery hydrometer for measuring electrolyte density in batteries.

This instrument allows the density of the electrolyte inside lead-acid accumulators to be measured.

It consists of a transparent external body designed to draw liquid from the accumulator and a glass float placed inside the external body. By reading the graduated scale inside it, the density of the electrolyte can be determined.

COMPONENT IDENTIFICATION

Description	*Feature*
SUCTION BULB	NATURAL RUBBER
BODY	GLASS
TERMINAL	BLACK PVC
NOZZLE	TRANSPARENT PVC
SAMPLING EXTENSION	TRANSPARENT PVC

Description	*Feature*
BODY	WHITE GLASS
SCALE mm 65 (orange, white, green)	1.080 - 1.320 g/cm³ 10 - 35 degrees Bé +15°C div. 0.01 g/cm³

DIMENSIONS

Ref	*Specification*
A	mm 322
B	Ø mm 21.5 x mm 185
C	Ø mm 45 x mm 65
D	Ø mm 6 x mm 85

PRECAUTIONS FOR USE

The hydrometer is made of glass HANDLE WITH CARE!

- DO NOT USE THE HYDROMETER AT TEMPERATURES ABOVE 90°C
- THE HYDROMETER CALIBRATION IS GUARANTEED FOR 6 YEARS UNDER OPTIMAL CONDITIONS
- When taking the measurement, follow these precautions:

acid-resistant gloves	acid-resistant apron or suit	protective eyewear

INSTRUCTIONS

The instructions below are provided for proper and improved use of the product.

1) Remove the cardboard protection of the hydrometer from the terminal nozzle side.
2) Insert the float into the body and close with the terminal without using force or tools.
3) Hold the hydrometer by the upper part and keep it in a vertical position.
4) Press the bulb and draw in a small amount of liquid that allows the float to move. If the nozzle is too short, insert the supplied extension in place of the one fitted in the terminal.
5) Always keep the bulb slightly pressed to avoid excessive intake of liquid or air.
6) Reading: wait. Do not draw in too much liquid: if the hydrometer is overfilled, the reading cannot be taken.
7) Wait for the float to stabilize. Always keeping the hydrometer vertical, check which number or color on the scale it has stopped at:

Color	*Bé degrees*	*Specific gravity*	*Reading*	*Action*
Orange	10/18	1.08 / 1.14 g/cm³	DISCHARGED CELL	RECHARGE
White	18/27	1.14 / 1.24 g/cm³	PARTIALLY DISCHARGED CELL	RECHARGE
Green	27/34	1.24 / 1.32 g/cm³	CHARGED CELL	NONE

After reading, empty the hydrometer by returning the electrolyte to the same cell from which it was drawn, rinse the hydrometer, dry the terminal part and store it away from heat sources.

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