

LoT406-M6-DXK-S7/25

Puncture electrode for rapid and accurate pH measurement in the quality control of foods

Technical data



LoT406-M6-DXK-S7/25

Short description

The pH value plays an important role in the quality control of foods. METTLER TOLEDO puncture electrodes measure the pH value rapidly and without time-consuming sample preparation. The following benefits should be of special interest for you:

– **Time savings by direct measurement**

METTLER TOLEDO puncture pH electrodes provide exact values without the need for time-consuming sampling. The material being measured is in direct contact with the reference electrolyte XEROLYT® Plus. Annoying diaphragm contamination problems caused by proteins and fat are thus minimized. Rapid and reproducible values are the result.

– **Long lifetime due to rugged construction**

METTLER TOLEDO puncture pH electrodes with a needle-shaped membrane are very robust. Their plastic sheath is made of food-compatible PBT (FDA approved) and provides excellent protection against possible mechanical damage during insertion.

– **Cost savings by minimal maintenance**

METTLER TOLEDO puncture pH electrodes eliminate refilling of the electrolyte as XEROLYT® Plus is a polymer gel electrolyte. Regular calibration is the only requirement.

Application areas

- Meat: meat grading, early detection of Pale Soft Exudative and Dark Firm Dry meat, quality control, supports HACCP system.
- Sausages: control of ripening and smoking stages of sausages, check incoming raw material.
- Cheese/butter: process monitoring, quality control, end-point determination in butter production.

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METTLER TOLEDO

Specifications

Measuring range	pH 2 ... 11
Temperature	0 ... 80 °C (32 ... 176 °F)
Reference system	Argenthal (Ag/AgCl)
Reference electrolyte	XEROLYT® Plus
Diaphragm	1 aperture diaphragm
Penetration depth	25 mm
Diameter	6 mm
Plug head	S7

Ordering information

Designation	Instr. conn. type	Length	Order No.
Puncture pH electrode			
LoT406-M6-DXK-S7/25			10 406 3123
Puncture knife for the electrode			00 406 3000 IG

Coaxial cables

Designation	Instr. conn. type	Length	Order No.
AS7/1 m/-15.30	DIN 19 262	1 m (3.3 ft)	10 003 0100
AS7/1 m/BNC-30	BNC	1 m (3.3 ft)	10 003 0109

Other lengths and instrument connector types on request

Buffer solutions

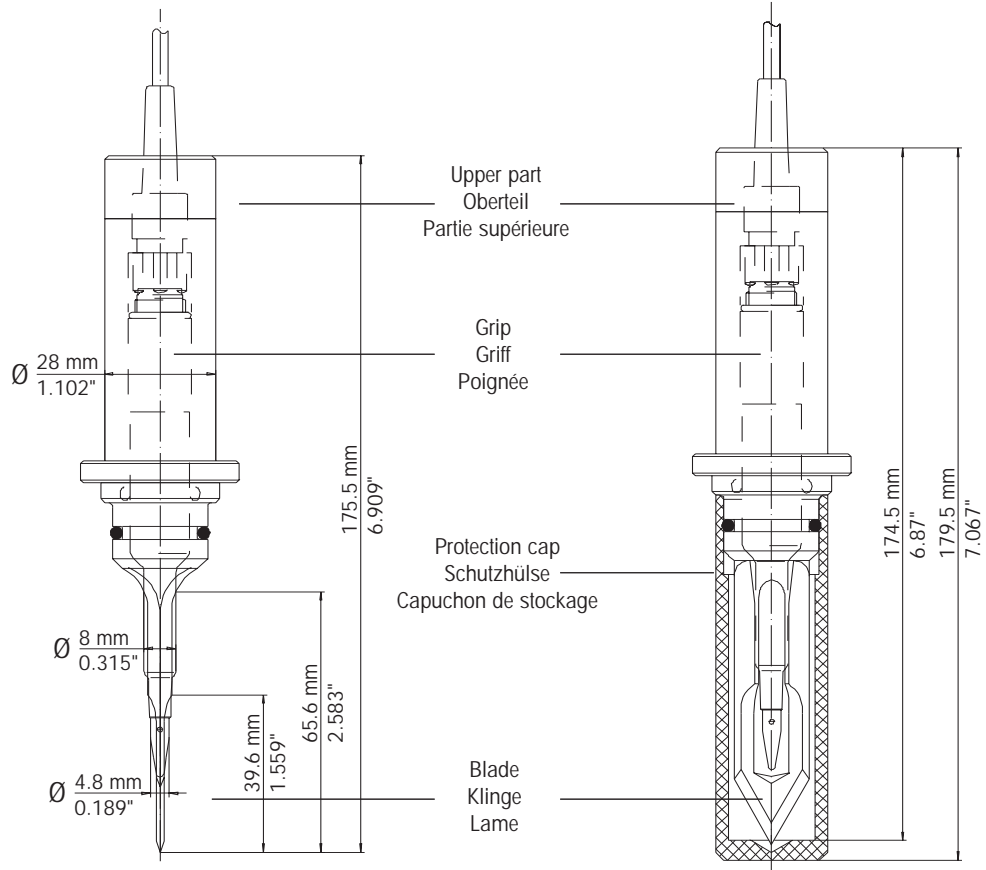
	Order no. 1 x 250 ml	Order no. 6 x 250 ml	Order no. 1 x 1000 ml
Buffer pH = 4.01 (red)	51 340 057	51 340 058	51 340 228
Buffer pH = 7.00 (green)	51 340 059	51 340 060	51 340 229
Buffer pH = 9.21 (blue)	51 300 193	51 300 194	51 340 230

Transmitters

We recommend the use of the METTLER TOLEDO pH meters 1120 or 1140 together with the puncture pH electrode for ideal support of your HACCP system. Please ask for a flyer.

Drawing

LoT406-M6-DXK-S7/25



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