

# LoT406-M6-DXK-S7/25

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

## Technical data

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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.
<b>Puncture pH electrode</b>			
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**

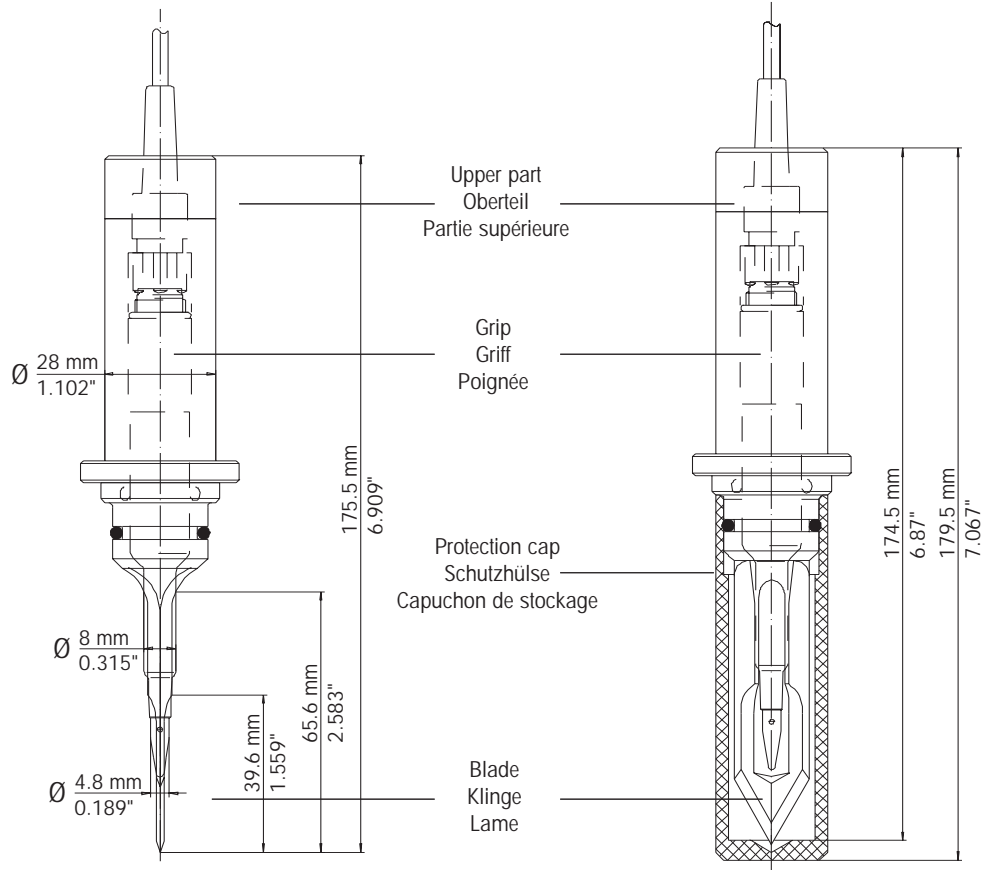
	Order no. 1 x 250 ml	Order no. 6 x 250 ml	Order no. 1 x 1000 ml
Buffer pH = 4.01 (red)	51 340 057	51 340 058	51 340 228
Buffer pH = 7.00 (green)	51 340 059	51 340 060	51 340 229
Buffer pH = 9.21 (blue)	51 300 193	51 300 194	51 340 230

**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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