

DXK – pH and redox electrodes

Solid polymer electrodes for low maintenance in demanding chemical processes

Technical Data



HA405-DXK-S8 P14805-DXK-S8

Short description

Our wide range of solid polymer electrolyte electrodes based on the successful XEROLYT™ reference system go to make up a family of products already well known in the market for many years. Within this electrode family, both pH and redox versions are on offer (refer to next page). XEROLYT™ electrodes provide the following advantages:

- Solid polymer electrolyte-XEROLYT™ offers low maintenance (no refill or pressurization of electrolyte)
- Long lifetime of electrode thanks to the XEROLYT™ reference system
- Open junction instead of ceramic diaphragm (no diaphragm = no clogging)
- Suitable for highly demanding industrial chemical processes, such as those involving strongly contaminated or sulfide-bearing process media, as well as in the case of suspensions and emulsions
- Generous pressure range and excellent resistance against process pressure fluctuations
- Choice of different glass membrane qualities to meet specific application requirements in the chemical process industry.

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METTLER TOLEDO

Specifications

Measuring range	pH 2...14
Temperature range	0...110 °C (32...230 °F)
Pressure resistance	16 bar (25 °C) resp. 6 bar (100 °C) 232 psi (77 °F) resp. 87 psi (212 °F)
Reference system	solid polymer, XEROLYT™ containing KCl
Diaphragm	open junction (direct contact between process media and reference system)
Glass shaft	Ø 12 mm (0.47")
Connector	S8 with Pg 13.5 thread
Redox electrodes	metal: platinum (Pt) or gold (Au)

Ordering information

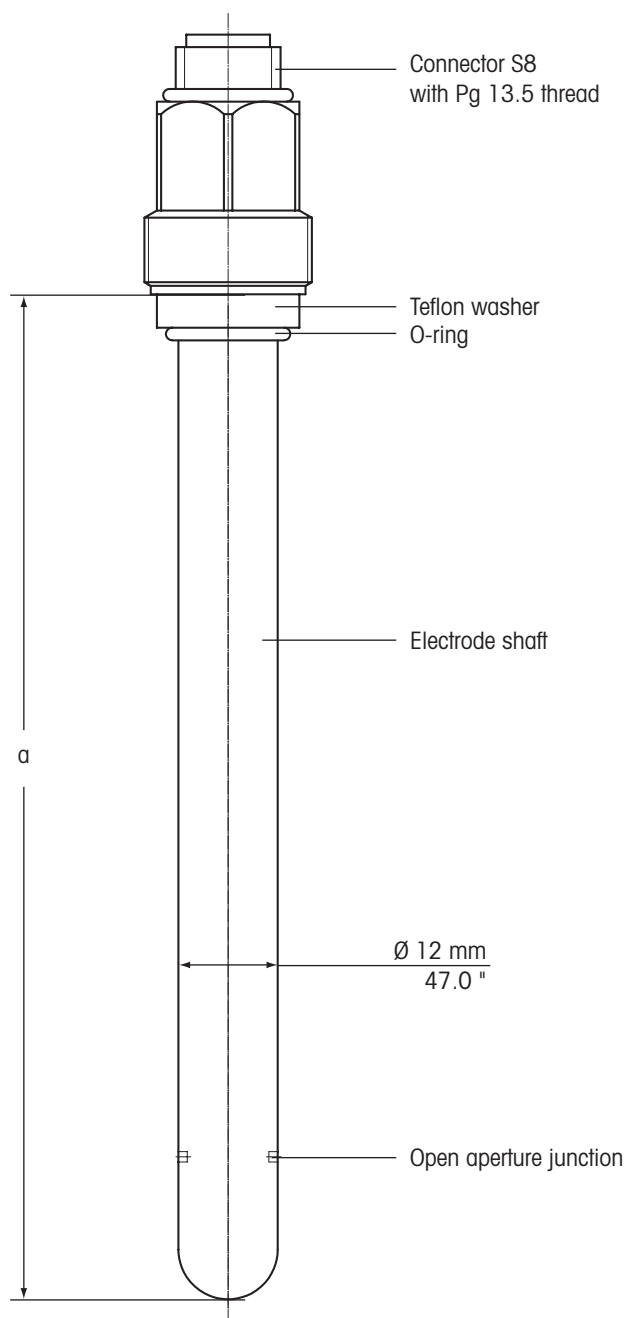
pH-electrodes	Electrode length [a]	Order no.	Suitable housings
HA405-DXK-S8/120	120 mm (4.70")	10 405 4287	InFit 761/762 InFlow 751 InDip 550
HA405-DXK-S8/225	225 mm (8.86")	10 405 4290	InTrac 777 InDip 502
HA405-DXK-S8/425	425 mm (16.73")	10 405 4465	InTrac 777
pH-electrodes for HF-containing media:			
HF405-DXK-S8/120	120 mm (4.70")	11 405 3123	InFit 761/762 InFlow 751 InDip 550
HF405-DXK-S8/225	225 mm (8.86")	10 405 4491	InTrac 777 InDip 502
pH-electrodes for low-temperature applications (down to -25 °C/-13 °F):			
LoT405-DXK-S8/120	120 mm (4.70")	13 405 8058	InFit 761/762 InFlow 751 InDip 550
LoT405-DXK-S8/225	225 mm (8.86")	11 405 3125	InTrac 777 InDip 502
Redox electrodes:			
Pt4805-DXK-S8/120	120 mm (4.70")	10 505 3288	InFit 761/762 InFlow 751 InDip 550
Pt4805-DXK-S8/225	225 mm (8.86")	10 505 3255	InTrac 777 InDip 502
Pt4805-DXK-S8/425	425 mm (16.73")	10 505 3329	InTrac 777
Au4805-DXK-S8/120	120 mm (4.70")	11 505 3025	InFit 761/762 InFlow 751 InDip 550
Au4805-DXK-S8/225	225 mm (8.86")	11 505 3004	InTrac 777 InDip 502
Reference electrode:			
363-DXK-S8	120 mm (4.70")	10 363 3041	InFit 761/762 InFlow 751 InDip 550

Transmitters

A wide range of transmitters can be offered to complete the METTLER TOLEDO/INGOLD measurement system, including a 4 wire version for universal AC/DC power supply, or alternatively in 2-wire versions, with or without HART® or Profibus® communication, in standard or explosion-proof (Ex) design.

Drawing

HA405-DXK-S8



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