

- **Resistant to abrasion and clogging**
- **Fast and accurate response**
- **Robust epoxy body for high durability**
- **Screw fit for easy installation**
- **Sealed gel reference for low maintenance**
- **Detachable cable fitting for easy cable attachment**

#### Thread

Industry standard PG13.5 thread fitting

#### Dimensions

Stem length below cap - 65mm  
Stem diameter - 12mm  
Cap length - 38.5mm  
Cap diameter - 20mm  
(Short length for insertion in small bore pipes)

#### Reference Electrolyte

Sealed gel type with annular PTFE junction

#### pH Range

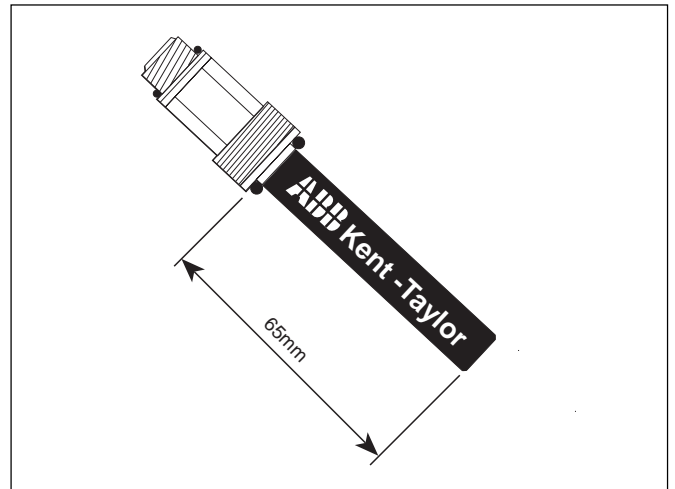
0 to 14

#### Temperature Range

0 to 100°C

#### Pressure Rating

Up to 10 bar at 40°C



#### Applications

General purpose epoxy bodied Industrial Combination Electrode for use where robustness and ease of use are of prime importance. The pH sensing element is a flat glass membrane, this is surrounded by a ring of porous PTFE which serves as the junction. As the membrane is parallel to the flow direction this flow can have a self-cleaning effect on the membrane in many cases. The PTFE junction repels contamination and is easily cleaned. This combination of features means the electrode is ideal for measurements in dirty, or aggressive, environments.

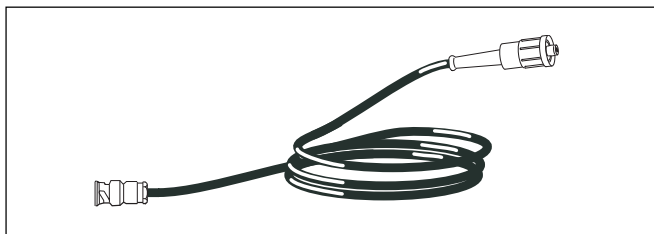
#### Electrode Range 1718-000 Detachable cable type

A range of detachable cables are available to suit these electrodes and your application. A variety of lengths can be supplied – fitted with a number of terminations – including DIN plugs, BNC plugs, Tags and others. See reverse for full details.

#### Note.

These electrodes are designed to be used vertically or at an insertion angle of no less than 15° from the horizontal. They cannot be used for upward insertion.

## Cables for Detachable Cable Electrodes



PART NUMBER	TYPE	pH METER TYPE
140X-100	DIN 19262 Plug	German manufacturers such as Schott, WTW, Knick, Consort, Polymetron, Mettler and older Metrohm types
140X-200	UK Coaxial	EIL 7020, Some Pye Meters, some Philips meters
140X-210	3 to 4mm Pin	Reference Pin Cable for ABB Kent-Taylor and other types.
140X-240	4mm Banana plug	Reference cable for Metrohm, Philips and other European meters
140X-300	Radiometer Coaxial	Modern Radiometer types, some Crison.
140X-400	BNC	Many types including ABB Kent-Taylor, Hanna, Aquadata, Jenco, Orion Solomat, Corning, Jenway and some Crison.
140X-500	Tags	For industrial systems/Terminal blocks.
140X-510	2mm Pin	Reference Cable for most US types.
140X-600	Unterminated	For customer termination (single wire)
140X-700	U.S. Single Pin	Some Orion, Beckman, Corning, Horiba.
140X-800	U.S. + 2mm Pin	Some Orion, Beckman, Corning, Horiba.
140X-900	Sühner Plug	Modern Metrohm meters and titrators.

### Cable Selection

In place of the 'X' shown in the part numbers above write the length of cable required in metres.

Lengths of 1,2,3,4,5,6,7 and 8 metres are available as standard, **contact ABB Kent-Taylor if longer lengths are required.**

### Example

5 metre cable with tags – correct part number is 1405-500.

### Detachable Cable Industrial Electrodes

PART NUMBER	TERMINATION	ELECTRODE TYPE
1710-000	Detachable cable	Epoxy-bodied combination pH electrode
1711-000	Detachable cable	Epoxy-bodied combination Redox electrode
1717-000	Detachable cable	Epoxy-bodied combination flathead pH electrode
1718-000	Detachable cable	Epoxy-bodied combination flathead pH electrode – short version

### Direct Fax Number for Orders – 01453 791741

*For further information please contact your local distributor or our sales office at Stonehouse.*

*Prices valid until 31<sup>st</sup> December 1998*



The Company's policy is one of continuous product improvement and the right is reserved to modify the information contained herein without notice.

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