

*Specification DataFile*

- **Ideal for use for Redox measurements or accurate halide determinations**
- **Grooved cap for safe grip**
- **Half-cell design allows use of separate reference electrode to suit applications**
- **Disc design gives large active surface area**
- **Ideal silver electrode for auto titrators**

<b>Dimensions:</b>	Stem length below cap	–	120mm
	Stem diameter	–	12mm
	Cap length	–	44mm
	Cap diameter	–	18mm

**Temperature Range:** 0 - 100°C

**Applications:** High performance half-cell electrode for Redox measurements or for halide determination by Silver Nitrate titration. The electrode is designed for use with a separate reference electrode such as the 1433 Series. The 10mm diameter Silver disc gives a large active surface area for precise measurements even when partial surface clogging occurs. Fitted with an internal electrical screen and grooved cap for good grip. Supplied complete with electrode shield 1160-206 for use if extra protection is required. A separate cable needs to be purchased with this electrode.



**Electrode Range:**  
1443-000 Detachable cable type.

**Recommended Reference Electrode:**  
1433-000 detachable cable type

A wide range of connector types such as DIN and BNC are also available as options on detachable cables. With the appropriate cable the electrode will work with any other manufacturer's meter. Consult Cables List for details.

ABB Kent-Taylor is a British company with UK production sites at St Neots, Cambridgeshire and at Stonehouse, Gloucestershire. Other production sites are located at Lenno in Italy and Rochester in the United States. We are part of the Asea Brown-Boveri group which has worldwide sales of around £15 billion.

We are a specialist in measurement, manufacturing a wide range of sensors, including pH electrodes, ion-selective electrodes, Redox electrodes and oxygen sensors for a variety of applications ranging from Chemical processing to Pharmaceuticals.

We can bring over 40 years experience in the design and manufacture of Electro-chemical sensors to bear on pH and Chemical measurement applications and the quality of our products is assured by adherence to the ISO 9001 Standard.

The ABB Kent-Taylor range of pH, Redox and ion selective electrodes are designed to cover most common laboratory applications, these include:

- 1411 Series glass combination electrodes – for general laboratory use
- 1412 Series glass combination electrodes – for pure waters or low conductivity samples
- 1413 Series epoxy bodied combination electrodes – for general laboratory use

Plus many other specialist types, see our general laboratory electrode brochure.

Plus ion selective electrodes for the measurement of:

Sodium, Potassium, Ammonium, Chloride, Fluoride, Nitrate, Silver, Sulphide, Cyanide, Ammonia, Sulphur Dioxide and Dissolved Oxygen.

## Cables for Detachable Cable Electrodes

PART NUMBER	TYPE	pH METER TYPE
1401-100	DIN 19262 Plug	German manufacturers such as Schott, WTW, Knick, Consort, Polymetron, Mettler and older Metrohm types
1401-200	UK Coaxial	EIL 7020, Some Pye Meters, some Philips meters
1401-210	3 to 4mm Pin	Reference Pin Cable for ABB Kent-Taylor and other types.
1401-240	4mm Banana plug	Reference cable for Metrohm, Philips and other European meters
1401-300	Radiometer Coaxial	Modern Radiometer types, some Crison.
1401-400	BNC	Many types including ABB Kent-Taylor, Hanna, Aquadata, Jenco, Orion Solomat, Corning, Jenway and some Crison.
1401-500	Tags	For industrial systems/Terminal blocks.
1401-510	2mm Pin	Reference Cable for most US types.
1401-600	Unterminated	For customer termination (single wire)
1401-700	U.S. Single Pin	Some Orion, Beckman, Corning, Horiba.
1401-800	U.S. + 2mm Pin	Some Orion, Beckman, Corning, Horiba.
1401-900	Sühner Plug	Modern Metrohm meters and titrators.

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



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