

## Type E13A Multi-Electrode Holder

For use with all level controllers and alarms operating in aqueous (conducting) liquids i.e. water, acids, chemical effluent, beverages etc.

- Spacer saver.
- Accommodates up to 5 electrodes.
- Universal flange fitting.
- Corrosion resistant.
- Intrinsically safe and pressure tight version available.
- Electrodes available for most aggressive liquids, (i.e. PPA\* coated Stainless Steel, Titanium, Monel, Hastelloy C)

PPA\* plastic coating WRAS No 1109500

The Hawker multi electrode holder is moulded in tough glass filled polypropylene and accommodates up to 5 plastic coated 8mm electrodes up to 3m long (longer lengths are available via threaded couplers), it is ideal for water tanks, chemical storage tanks and bunds. 5 electrodes enable the E13A to be used for pump control with high and low alarms. Use centre hole for earth electrodes. Mounting (Type 81/MS or 81/SS) and steady (Type 218/SS) brackets and separators (Type 214) etc are available. Always use the well proven, AC or P3/P4 series controllers incorporating CSD circuitry.

### The Universal Flange is suitable for:-

ANSI 3" 150lb  
DN 80 PN16 flush fitting or 4 hole only.  
BS10 table D 3"  
Hawker type 81 or 81/SS bracket  
Fixing kits available (ref 215) to mount E13 to bracket

**Temp Range:-** -20°C to + 85°C

**Weight:-** 0.55 Kg

Intrinsically safe application model 1G/0HPE13A to Ex ia ii CT4 is available. Both the standard and intrinsically safe versions are available to IP67 if required  
**Note 1** IP67 Versions require the electrodes to be threaded to allow fitting into the holder

Electrodes are ordered separately to the E13A. When ordering electrodes please specify-

'L' +70mm = electrode lengths for E13A

'L' +12mm = electrode lengths for E13A/IP67

Electrode Material	Order Ref	Size	Maximum Available Length
Uncoated 316L Grade Stainless Steel	187	8mm	3m
PPA Coated 316L Grade Stainless Steel	188	8mm	3m
Uncoated Titanium	193	8mm	3m
Uncoated Monel	194	8mm	3m
Uncoated Hastelloy	196	8mm	3m

**Note 2** If longer electrode lengths are required this can be achieved by threading and coupling the rod (additional cost).

