

Durafet Cap Adapter Specifications

70-82-03-66 February 2010



Description

Durafet Cap Adapters are preamplifiers that are built into cables that connect the Durafet pH sensor to the pH Instrument. The preamplifier conditions the pH signal and allows for greater distances between the pH sensor and the pH Instrument. The preamplifier electronics are packaged in either a nickel plated brass (Durafet III) or a plastic (Durafet II) housing that is integral to the cable. There is no separate mounting of the preamplifier required. The Durafet Cap Adapter has a quick disconnect connector to easily connect the cable to the electrode and tinned leads that connect to the pH Instrument. Once the cable is connected to the pH Instrument there is no need to re-wire the cable to the instrument when electrodes are replaced.



Figure 1 -
Durafet III Cap Adapter



Figure 2 – Durafet II Cap Adapter

Cap Adapter Specifications	
Part Numbers/ Cable Length	Durafet II 51205965-502 20 feet 51205965-505 50 feet Durafet III 51453388-501 20 feet 51453388-502 50 feet
Connector Type/Material	Durafet II PC Board/Ryton; EPDM o-rings Durafet III Vario Pin/Ni Plated Brass; Viton o-rings
Electronic Housing Material	Durafet II Ryton Durafet III Nickel Plated Brass
Approvals	FM Approved as Intrinsically Safe with Entity Parameters and Non-Incendive with non-incendive field wiring
Temp Rating	0 to 70° C (32° to 158° F)
IP Rating	IP68 (33 feet immersion for 1000 hrs)
Cable Material	PVC
Leads	8 Conductors plus Shield, 28 AWG
Power Required (supplied by Instrument)	+/- 5 to +/- 16 VDC
Current Rating	3.4 mA max @ 16 VDC

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is in **lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.**

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

For More Information

Learn more about how Honeywell's Durafet Cap Adapter can be used to help measure, analyze and transmit pH and ORP information in industrial processes, visit our website www.honeywell.com/ps/hfs or contact your Honeywell account manager.

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70-82-03-66
February 2010
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