

Product Bulletin

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RE: Channel Blockage and Connectivity Monitoring in the ADVANTAGE® Plus Endoscope Reprocessor

One feature of the ADVANTAGE Plus AER is the capability to monitor endoscope channels for blockage and proper connection of the endoscope hookup.

Channel connection monitoring in the ADVANTAGE AER is achieved by pressurizing each individual channel with air. Each channel is pressurized one at a time and monitored for the rate of decay. If all channels are properly connected including the channel separator, the software can tell that the rate of decay is acceptable and that all channels are connected. If the rate of decay in any channel is too fast, it indicates that the particular channel being tested is not properly connected.

Channel blockage is monitored in a similar way, but uses fluid instead of air. Again, each channel is pressurized and the decay period monitored. Channels that decay too slowly indicate a partial or complete blockage of the channel being monitored.

In a small number of endoscope models, combinations of channel length, channel diameter and internal architecture can make connectivity and blockage monitoring unreliable. These endoscopes and applicable channels are listed below. In these instances MEDIVATORS has removed the ability to monitor the specific channels from the software parameter set to eliminate false alarms related to disconnection and blockage anomalies. Users reprocessing these endoscopes should check for blockages in the pertinent channels during the manual cleaning process. Then during reprocessing in the ADVANTAGE, any channel that is found disconnected at the completion of the reprocessing cycle should be reconnected and the entire endoscope reprocessed again.

For customers using the ADVANTAGE cleaning claim, it is important to identify the endoscope models that cannot use the connectivity or blockage monitoring feature. The specific channels must be manually brushed and flushed and checked for appropriate condition prior to cleaning and disinfection in the ADVANTAGE AER. Failure to conduct this important step could result in an inappropriately reprocessed endoscope which could compromise patient safety.



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The following list of endoscope models that use 2-8-810HAN/CAS, 812HAN/CAS, 813HAN/CAS, 814HAN/CAS and 2-8-815HAN/CAS hookup cannot have the water or air channels monitored for blockage.

MAKE	MODEL	HOOKUP	CHANNEL
Olympus	GIF-2T200	2-8-810HAN/CAS	Water
Olympus	GF-UC140P	2-8-812HAN/CAS*	Air
Olympus	GF-UC140P-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UC140P-DO5	2-8-812HAN/CAS*	Air
Olympus	GF-UC160-AT8	2-8-812HAN/CAS*	Air
Olympus	GF-UC160P-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UC160P-AT8	2-8-812HAN/CAS*	Air
Olympus	GF-UC160P-OL5	2-8-812HAN/CAS*	Air
Olympus	GF-UC2000-OL5	2-8-812HAN/CAS*	Air
Olympus	GF-UC2000P-OL5	2-8-812HAN/CAS*	Air
Olympus	GF-UC240-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UC240P-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UCP160-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UCT160-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UCT160-AT8	2-8-812HAN/CAS*	Air
Olympus	GF-UCT160-OL5	2-8-812HAN/CAS*	Air
Olympus	GF-UCT2000-OL5	2-8-812HAN/CAS*	Air
Olympus	GF-UCT240-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UCT260	2-8-812HAN/CAS*	Air
Olympus	GF-UE165-AL5	2-8-812HAN/CAS*	Air
Olympus	GF-UCT140-AL5	2-8-813HAN/CAS*	Air
Olympus	GF-UCT140-DO5	2-8-813HAN/CAS*	Air
Olympus	GF-UCT180	2-8-813HAN/CAS*	Air
Olympus	GF-UC30P	2-8-814HAN/CAS	Air
Olympus	GF-UM200	2-8-814HAN/CAS	Air
Olympus	GF-UM30P	2-8-814HAN/CAS	Air
Olympus	JF-UM20	2-8-814HAN/CAS	Air
Olympus	JF-UM20-7.5	2-8-814HAN/CAS	Air
Olympus	GF-UM20	2-8-814HAN/CAS	Air

*2-8-811HAN/CAS replaces 2-8-812 and 2-8-813 and allows blockage monitoring of the air channel

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The following models of endoscopes cannot be monitored for connectivity to the specific channels listed in the table. All other channels are monitored for connectivity as normal.

MAKE	MODEL	HOOKUP	CHANNEL
Olympus	CYF-4	2-8-112HAN/CAS	Biopsy
Olympus	CYF-5	2-8-112HAN/CAS	Biopsy
Olympus	CF-2T140I	2-8-711HAN/CAS	Biopsy Channel B
Olympus	CF-2T140L	2-8-711HAN/CAS	Biopsy Channel B
Olympus	CF-2T160I	2-8-711HAN/CAS	Biopsy Channel B
Olympus	CF-2T160L	2-8-711HAN/CAS	Biopsy Channel B
Olympus	CF-2TQ260M	2-8-711HAN/CAS	Biopsy Channel B
Fujinon	EG-250D5	2-8-621HAN/CAS	Biopsy Channel B
Fujinon	EG-450D5	2-8-621HAN/CAS	Biopsy Channel B
Fujinon	EG-530D	2-8-621HAN/CAS	Biopsy Channel B
Fujinon	EC-250DL5	2-8-621HAN/CAS	Biopsy Channel B
Fujinon	EC-450DL5	2-8-621HAN/CAS	Biopsy Channel B
Fujinon	EC-530DM	2-8-621HAN/CAS	Biopsy Channel B
Fujinon	EC-530DL	2-8-621HAN/CAS	Biopsy Channel B
Storz	13806 NKS/PKS	2-8-740HAN/CAS	Rear Biopsy Channel
Storz	13910 NKS/PKS	2-8-740HAN/CAS	Rear Biopsy Channel
Storz	13911 NKS/PKS	2-8-740HAN/CAS	Rear Biopsy Channel

If you have any questions please contact MEDIVATORS Customer Service at 1.800.444.4729.