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Comparison of Mitech Ultrasonic Flaw Detectors

Product Model	MFD350B	MFD500B	Note
Measuring Range	0~6000mm	0~9999mm	Memory: 100 channels and 1000 files. USB 2.0 Port. Only U-BRIDGE MODEL
Pulser Width	Fixed non-adjustable	Adjustable	
Frequency Range	0.5~10MHz	0.5~15MHz	
Display Pixel	320x240 pixels TFT LCD	320x240 pixels TFT LCD	

Product Model	MFD620C	MFD650C	MFD800C
Measuring Range	0~6000mm	0~9999mm	0~9999
Frequency Range	0.5~10MHz	0.5~15MHz	0.5~15MHz
Display Pixel	320x240 pixels TFT LCD	320x240 pixels TFT LCD	640x480 pixels TFT LCD
Memory	1000 Channels, 10000 files	100 Channels, 1000 files	1000 Channels, 10000 files.
Video Function	2 hours	2 minutes	2 hours
USB Port	USB 2.0 Port. U-DISK and U-BRIDGE Selectable	USB 2.0 Port. Only U-BRIDGE Model	USB 2.0 Port. U-DISK and U-BRIDGE Selectable

Compared with MFDB Series, MFDC series has the below advantages:

1. Its outline is different. It has design with handle, much better resistance to oil and water.
The outline style is suitable for the European and US market.
2. It is IP54 compliant, which means that there is no problem when water touches the instrument surface.
Also there is the option for IP67, which means that instrument can be used under the water.
3. It has a different battery design, which is stronger. It can work continuously for about 8 hours.
4. It has full display.
5. It can show the readings directly on the display. It is more convenient for reading.
6. The probe type, frequency and velocity, testing range can be shown at the bottom of the display.
7. The pulse energy is divided to five levels (600V,500V,400V,300V,200V), but earlier versions just have high, middle, low levels.
8. MFDC series has been designed with special adapter connectors. Only our original adapters can be inserted in it which avoids customers from using other adapters in order to protect the instrument. MFDB has been updated by adding a chip for high voltage protection of the instrument.

Compared with MFD650C, the MFD800C has more advantages as below:

1. Have larger memory. MFD800C has 1000 channels and can save a total of 10,000 standing pictures.
 2. Have 2G Internal storage, it can be used as flash disk and running speed is higher. The data can be transferred between the instrument and PC. It can print directly.
3. Storage function is faster. It can accumulate and automatically save data.
4. The display has higher resolution. The wave is clearer. It is designed with the 640*480 dot matrix LCD.
5. Lower power design/ It can work continuously for about 15 hours.

6. Its B scan function is stronger. It has been marked with different colors for waves during your scan. The reflected wave is higher, the color is darker, which will help you identify the flaws easily.

7. It has added TVG depth compensation function with which you can adjust the DAC line to be a straight line and the flaw in the same area of the DAC.