

## Pulser Receivers MHF400, MHE900



The Microprocessor Based Ultrasonic Pulser Receiver Model MHF-400 & MHE-900 are compatible with other Ultrasonic Instrumentation and allow great flexibility when configuring system for high frequency application or for attenuative materials.

Front panel soft touch key pad allows operator to choose various parameters for precise setting large Alfa-numeric display allows operator to view all parameter. Gain adjustment and damping, required more frequently can be adjusted with separate knobs provided on front panel.

Various outputs like RF, SYNC, Window, Gate, Etc are available through BNC Connector. These equipment are compatible with PC & bi-directional data transfer is possible through RS 232 connector provided on rear panel.

High Frequency Pulser Receiver MHF-400 is suitable for application requiring high frequency probe, such as thin section examination, or very small defect detection.

High Energy Pulser Receiver MHE-900 is suitable for attenuative materials like concrete, stone, plastic, rubber, etc.



## TECHNICAL SPECIFICATION

	MHF400	MHE900
<b>Pulser :-</b>		
Voltage	350 V	900 V Max Adjustable
Rise Time	< 10 nS	50 nS
PRF	10 Hz 5 KHz	10 Hz 5 KHz.
SYNC Signal	+5.0 V TTL	+ 3 V TTL
Ext. Trigger	+5.0 V TTL	+ 5 V TTL
Excitation	ve spike 300 ns	RF Burst, Square Wave selectable as Single Pulse / Multi Pulse With Cycle Time / on time or % width of PRF.
Frequency	500KHz - 35MHz	20 KHz - 2 MHz
Power	-	-
<b>Receiver :-</b>		
Gain	103 dB in 1dB step	103 dB in 1dB step
Filter	HF - 0.5, 1.0, 2.5, 5.0 MHz LF : 2.5, 5.0, 10 MHz & open	HF - 0.02, 0.1, 0.4, 0.8 MHz LF - 0.05, 0.25, 1.0, 2.0 MHz
Bandwidth	500 KHz to 35 MHz.	20 KHz - 2 MHz
RF Output	±5 Vpp	±5 Vpp
<b>General :-</b>		
Power	230V AC, 50 Hz, 1	230V AC, 50 Hz, 1
PC Communication	RS 232, Bidirectional	RS 232, Bidirectional
Dimension	350 x 246 x 90 mm	350 x 246 x 90 mm
Weight	@ 4.5 Kg.	@ 4 Kg.
Operating Temperature	10 - 50 C	10 - 50 C
Test Mode	Single / Dual (pulse echo), Through	Single / Dual (pulse echo), Through Sweep (manual)
Gates	3 Independant Gates,	1
Measurements	Thickness, Velocity, Time	-
Outputs	RF, Window, Gate	RF, Gate, Window
Display	LCD 4 x 20 Alfa numeric with Backlight.	LCD 4 x 20 Alfa numeric with Backlight.
Protection	-	Over Temp

**NOTE:** Technical specifications are subject to change without prior notice, due to continuous upgradation.

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