

HUS-3 Ultrasonic Pressure Sensor Portable

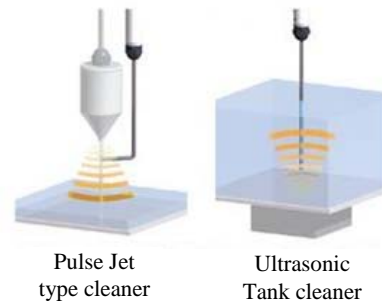
FEATURES

- Portable pressure sensor equipped with a built-in rechargeable battery. Able to be used for up to 10h.
- Displays a relative value to the measured ultrasonic power which can be used as a reference of the cleaning effect or as a mean to profile the ultrasonic or megasonic distributions in an ultrasonic cleaning apparatus.

APPLICATIONS

Often, it is necessary to measure the output of ultrasonic and megasonic cleaners for quality control. The HUS-3 provides the user with this capability. Some of the typical uses are:

- Check cleaning efficiency of cleaners
- Adjust or tune cleaners in both laboratory and production line environments
- Measure sound pressures in the range of 10kHz to 5 MHz
- Compatible with most cleaning solutions.
- Applicable to all types of cleaners: immersed type, water flow type, and tank type.



Sound Pressure Meter application

SPECIFICATIONS HUS-3 GENERATOR	
Frequency Response	10 kHz ~ 5 MHz
Power Input	Lithium battery: Model JP01 (HBT-001) DC 14.8V; 1.5W
Charger	Dedicated charger: Model JA01 (BT-024) 85VAC-240VAC
Signal input	Four types of sensing probes available
Measuring range	10mV, 50mV, 100mV, 500mV
Dimensions (W x D x H, mm)	180 mm x 130mm x 50 mm excluding protrusions
Weight (kg)	0.64 including the Lithium battery
Meter Display	Volts rms (mV) (relative value to sound pressure)
Temperature	5 ~ 40° C

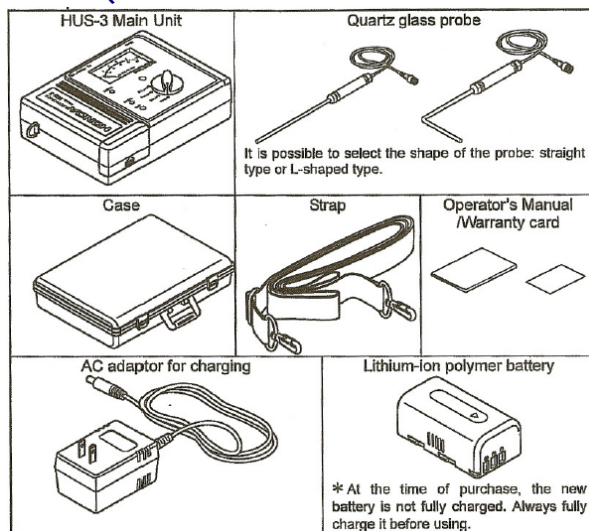



Micromechatronics Inc.

200 Innovation Blvd., Suite 155 ; State College, PA 16803-6602, USA
 Phone: (814) 861-5688 ; Fax: (814) 861-1418. www.mmech.com

SENSING PROBES FOR HUS-3				
Model	HUS-5 SPS	HUS-5 SPL	HUS-5 SUS	HUS-5 SUL
Material	Quartz glass		Made of SUS316L	
				
Overall length	Straight type: 340mm	L-shapped: 250mm (L-shaped part 80mm)	Straight type: 340mm	L-shapped: 250mm (L-shaped part 80mm)
Cable length	1.5m			
Weight	0.08 kg		0.14 kg	
Temperature wetted part	0 ~ 70° C			
Non compatible liquids	Heated strong alkaline, Hot phosphoric acid, hydrofluoric acid		Acid	

STANDARD CONFIGURATION (Probe can be selected as SPS or SPL or SUS or SUL)





OPTIONAL PARTS FOR HUS-3			
Article	Model Code	Units per case	Description
Charger Stand	JS01	1 unit	



Micromechatronics Inc.

200 Innovation Blvd., Suite 155 ; State College, PA 16803-6602, USA
Phone: (814) 861-5688 ; Fax: (814) 861-1418. www.mmech.com

AC Adapter	JA01 (BT-024)	1 unit	
Lithium-ion polymer battery	JP01 (HBT-001)	1 unit	 DC 14.8V; 1.5W; Less than 100mA
Point sensing cover (available for straight sensors only, SPS and SUS)	PS01	1 unit	