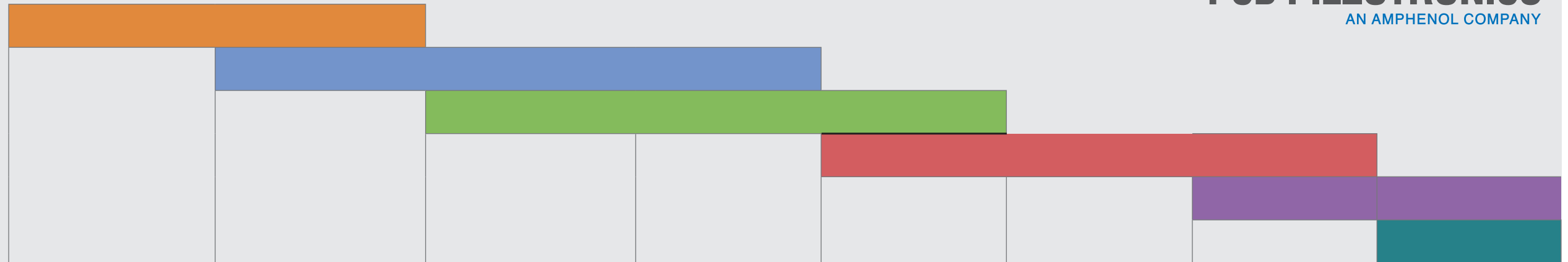


# TYPICAL APPLICATIONS

- Circuit Boards, processors & memory modules
- Small Machined Components: impellers, lightly damped panels/frames
- Medium Structures: car frames, engines, & small electric motors
- Heavier Devices: pumps, compressors, weldments, impellers
- Heavy Devices: large weldments, propellers
- Building foundations



## SPECIFICATIONS

Model Number	086E80		086C01		086C02		086C03		086C04		086D05		086D20		086D50	
	English	SI	English	SI	English	SI	English	SI	English	SI	English	SI	English	SI	English	SI
<b>Performance</b>																
Sensitivity (±15%)	100 mV/lbf	22.5 mV/N	50 mV/lbf	11.2 mV/N	50 mV/lbf	11.2 mV/N	10 mV/lbf	2.25 mV/N	5 mV/lbf	1.10 mV/N	1 mV/lbf	0.23 mV/N	1 mV/lbf	0.23 mV/N	1 mV/lbf	0.23 mV/N
Measurement Range	±50 lbf pk	222 N pk	±100 lbf pk	±444 N pk	±100 lbf pk	±444 N pk	±500 lbf pk	±2224 N pk	±1000 lbf pk	±4448 N pk	±5000 lbf pk	±22,240 N pk	±5000 lbf pk	±22,240 N pk	±5000 lbf pk	±22,240 N pk
Resonant Frequency	≥100 kHz		≥15 kHz		≥22 kHz				≥22 kHz				≥12 kHz		≥5 kHz	
Non-Linearity			≤1 %										≤1 %			
<b>Electrical</b>																
Excitation Voltage			20 to 30 VDC										20 to 30 VDC			
Constant Current Excitation			2 to 20 mA										2 to 20 mA			
Output Impedance			<100 Ohm										<100 Ohm			
Output Bias Voltage			8 to 14 VDC										8 to 14 VDC			
Discharge Time Constant	≥100 sec		≥500 sec						≥2000 sec				≥1400 sec		≥2000 sec	
<b>Physical</b>																
Sensing Element			Quartz										Quartz			
Sealing			Epoxy						Epoxy				Hermetic			
Hammer Mass	0.17 oz	4.8 gm	0.23 lb	0.10 kg	0.34 lb	0.16 kg	0.34 lb	0.16 kg	0.34 lb	0.16 kg	0.7 lb	0.32 kg	2.4 lb	1.1 kg	12.1 lb	5.5 kg
Head Diameter	0.25 in	6.3 mm	0.62 in	1.57 cm	0.62 in	1.57 cm	0.62 in	1.57 cm	0.62 in	1.57 cm	1.0 in	2.50 cm	2.0 in	5.1 cm	3.0 in	7.6 cm
Tip Diameter	0.10 in	2.5 mm	0.25 in	0.63 cm	0.25 in	0.63 cm	0.25 in	0.63 cm	0.25 in	0.63 cm	0.25 in	0.63 cm	2.0 in	5.1 cm	3.0 in	7.6 cm
Hammer Length	4.2 in	107 mm	8.5 in	21.6 cm	8.5 in	21.6 cm	8.5 in	21.6 cm	8.5 in	21.6 cm	9.0 in	22.7 cm	14.5 in	37 cm	35 in	89 cm
Electrical Connection Position	Side		Bottom of Handle										Bottom of Handle			
Extender Mass Weight	0.044 oz	1.25 gm	0.9 oz	25 gm	2.6 oz	75 gm	2.6 oz	75 gm	2.6 oz	75 gm	7.0 oz	200 gm	Not Available			
Electrical Connector	5-44 Coaxial		BNC Jack										BNC Jack			
<b>TEDS Model Available</b>																
	N/A		TLD086C01		TLD086C02		TLD086C03		TLD086C04		TLD086D05		TLD086D20		TLD086D50	
<b>Included Accessories</b>																
	Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate	
	018G10 Cable		081B05 10-32 Mounting Stud		081B05 10-32 Mounting Stud		081B05 10-32 Mounting Stud		081B05 10-32 Mounting Stud		081B05 10-32 Mounting Stud		084B61 Hammer Tip, Soft		084B31 Hammer Tip, Soft	
	080A109 Petro Wax		084A06 Extender Mass		084A08 Extender Mass		084A08 Extender Mass		084A08 Extender Mass		084A09 Extender Mass		084B62 Hammer Tip, Medium		084B32 Hammer Tip, Med. / Hard	
	084A13 Extender mass		084B03 Hammer Tip, Hard SS		084B03 Hammer Tip, Hard SS		084B03 Hammer Tip, Hard SS		084B03 Hammer Tip, Hard SS		084A52 Hammer Tip, Soft		084B63 Hammer Tip, Med. / Hard			
	084A14 Handle, plastic		084B04 Hammer Tip, Medium		084B04 Hammer Tip, Medium		084B04 Hammer Tip, Medium		084B04 Hammer Tip, Medium		084A51 Tip Adaptor					
	084A17 Handle, aluminum		084C05 Hammer Tip, Soft		084C05 Hammer Tip, Soft		084C05 Hammer Tip, Soft		084C05 Hammer Tip, Soft		084B03 Hammer Tip, Hard SS					
	084A28 Impact cap		084C11 Hammer Trip, Very soft		084C11 Hammer Trip, Very soft		084C11 Hammer Trip, Very soft		084C11 Hammer Trip, Very soft		084B04 Hammer Tip, Medium					
			085A10 Tip Cover		085A10 Tip Cover		085A10 Tip Cover		085A10 Tip Cover		084C05 Hammer Tip, Soft					
											085A10 Tip Cover					