Honeywell
HOWARD LEIGHT

Noise Thermometer

Sound Energy Doubles Every 3 dB

(Example: if a 90 dB noise is doubled, it measures 93 dB)

Non-Occupational Noise	Occupational Noise
Firecracker 162 dB	Handgun 166 dB
	Apollo Lift-Off 188 dB
Shotgun 170 dB	Rifle 161 dB
	Artillery Fire 162 dB
Immediate Physical Damage **160 dB**	Immediate Physical Damage **160 dB**
Balloon Pop 157 dB	Jet Engine Take-Off 150 dB
Engine Backfire 140 dB	Dynamite Blast 140 dB
Bicycle Horn 143 dB	
Maximum Allowable Exposure, Even with Hearing Protection **140 dBC**	Maximum Allowable Exposure, Even with Hearing Protection **140 dBC**
Noisy Squeeze Toys 135 dB	Pig Squeal 130 dB
	Pneumatic Drill 130 dB
Immediate Pain Threshold **130 dB**	Immediate Pain Threshold **130 dB**
Car Racing 130 dB	Oxygen Torch 121 dB
Thunder 120 dB	Hammer on Nail 120 dB
Jet Plane at Ramp 120 dB	
Rock Concert 120 dB	Generator 116 dB
Chainsaw 118 dB	
Short Exposures at This Level May Cause Hearing Damage and Ringing in Ears **120 dB**	Short Exposures at This Level May Cause Hearing Damage and Ringing in Ears **120 dB**
Stadium 117 dB	Compactor 116 dB
Crying Baby 110 dB	Ambulance Siren 112 dB
I Phone I Pod 105 dB	Impact Spanner 102 dB
Motorcycle 105 dB	Diesel Truck Accelerating 114 dB
Extremely Loud **100 dB**	Extremely Loud **100 dB**
	Bulldozer 100 dB
	Industrial Fire Alarm 95 dB
Power Lawnmower 94 dB	Table Saw 93 dB
Underground Railway 90 dB	
Cockpit of Propeller Airplane 88 dB	Forklift 87 dB
Hearing Protection Required for 8-Hour Exposures Above This Level **85 dB**	Hearing Protection Required for 8-Hour Exposures Above This Level **85 dB**
Smoke Alarm 85 dB	Lift 85 dB
Blender 85 dB	
Hair Dryer 80 dB	Handsaw 85 dB
	Ringing Telephone 82 dB
Hearing Protection Recommended for 8-Hour Exposures Above This Level **80 dB**	Hearing Protection Recommended for 8-Hour Exposures Above This Level **80 dB**
Vacuum Cleaner 74 dB	Waste Disposal 80 dB
Alarm Clock 75 dB	Lathe 81 dB
Non-Hazardous **75 dB**	Non-Hazardous **75 dB**
Sewing Machine 60 dB	
Microwave Oven 58 dB	
Dishwasher 60 dB	Normal Conversation 60 dB
Background Music 50 dB	Large Office 50 dB
Rainfall 50 dB	
Flowing Stream 50 dB	Paper Rustling 50 dB
	Transformer 50 dB
Comfortable **50 dB**	Comfortable **50 dB**
Quiet Library 40 dB	Quiet Office 40 dB
Quiet Residential Area 40 dB	
Refrigerator 43 dB	
Audible Whisper 30 dB	
Threshold of Audibility **20 dB**	Threshold of Audibility **20 dB**
Normal Breathing 10 dB	
0 dB	**0 dB**

Extreme Noise Levels May Require Dual Hearing Protection, and Engineering or Administrative Controls

15 Min
30 Min
1 Hour
2 Hours
4 Hours
8 Hours

Permissible Exposure Limits (EU Hearing Directive 2003/10/EC)

DOC2869 IGB

www.honeywellsafety.com

HEAR. FOREVER.