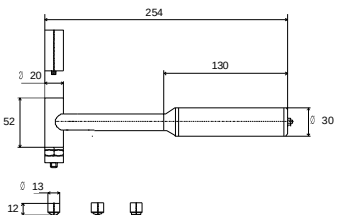
APTech Impulse Hammers are intended for measurement of frequency characteristics, mechanical mobility and impedance of mechanical structures. The hammers can be used both for testing the dynamic characteristics and for simulating the structures behaviour. The hammers are delivered with built-in, exchangeable force transducer and several hammer tips for different force and frequency ranges.

Impulse Hammers Type AU01 and AU02

	AU01	AU02
Force transducer type	AC21	AC21
Charge sensitivity (+/- 10%)	2 PC/N	-
Voltage sensitivity (+/- 10%)	-	1.5 mV/N
Transverse sensitivity	<5%	<5%
Force range	-1,000 to +5,000 N	-1,000 to +5,000 N
Resolution	-	0.003 N
Hammer mass	330 gram	330 gram
Mass of steel tip	10 gram	10 gram
Mass of rubber tip	9 gram	9 gram
Mass of nylon tip	7 gram	7 gram
Mass of extender	108 gram	108 gram
Excitation voltage	-	+15 to +30 Volt DC
Constant current	-	2 to 20 mA
Output impedance	-	<500 Ω
Output bias voltage	-	+8 to +11 Volt DC
Cable connector	10-32 UNF	BNC

	Force range/shock duration:
- steel tip	500 – 5,000 / 0.1 – 0.2 N/ms
- steel tip and extender	500 – 5,000 / 0.15 – 0.3 N/ms
- rubber tip	300 – 1,000 / 0.4 – 0.6 N/ms
- rubber tip and extender	300 – 1,000 / 0.5 – 0.8 N/ms
- nylon tip	100 – 700 / 1.2 – 2.6 N/ms
- nylon tip and extender	100 – 700 / 1.7 – 3.9 N/ms



Standard accessories:
AU0101 Steel hammer tip
AU0102 Rubber hammer tip
AU0103 Nylon hammer tip
AU0104 Extender mass
Connection cable, 2 meter length