



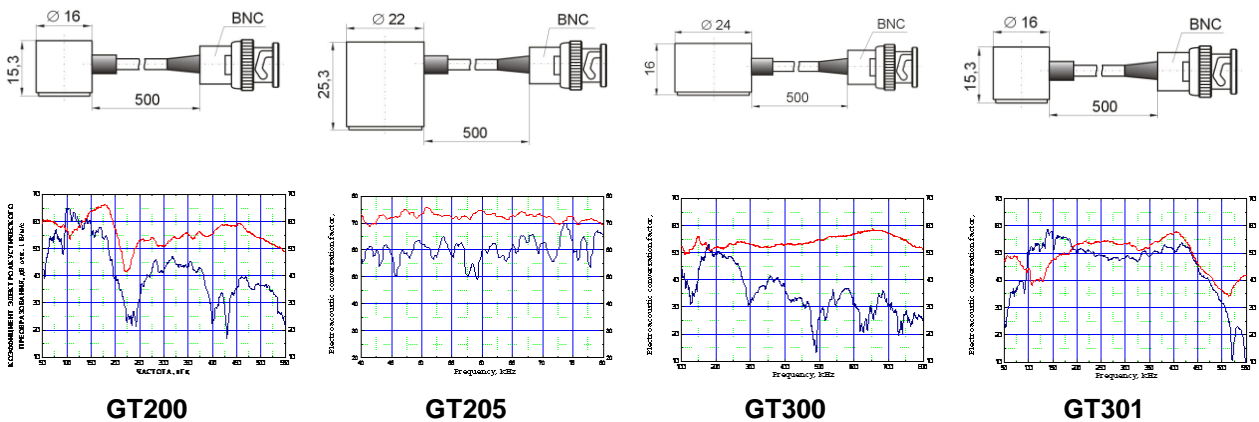


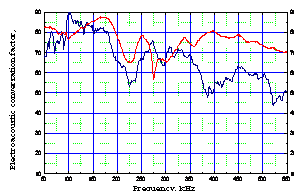
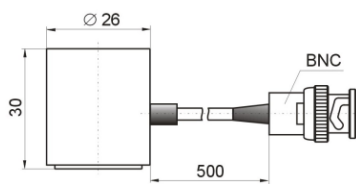
Acoustic Emission Transducers are designed to pick up the ultrasound energy caused by mechanical stresses inside metal constructions. A high amount of acoustic emission has shown to be a good indicator for possible defects in for example welding connections. A typical application is found in the quality control of high pressure vessels.

Acoustic Emission transducer		GT200	GT205	GT300	GT301
					
Parameter	Unit				
Sensitivity	dB re.1V/m/s	>60	>50	>50	>55
Frequency range ± 10 dB	kHz	130 to 200	40 to 100	100 to 800	50 to 500
Resonant frequency	kHz	165	50	280	220
Temperature range	°C	-40 to +150	-40 to +150	-40 to +150	-40 to +120
Insulation resistance	M Ω	>100	>100	>100	>1
Capacitance w.o. cable	pF	400 to 500	400 to 500	400 to 500	150
Supply voltage	V	-	-	-	-
Supply current	mA	-	-	-	-
Integral cable length	m	0.5	0.5	0.5	0.5
Extension cable supplied		-	-	-	-
Connector		BNC	BNC	BNC	BNC
Side/Top-connection		Side	Side	Side	Side
Housing material		Titanium alloy	Titanium alloy	Titanium alloy	Titanium alloy
Weight	gram	15	15	15	14
Type		Resonant	Wide band	Wide band	Wide band

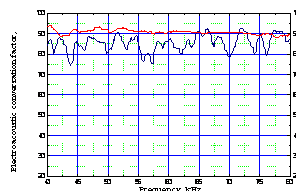
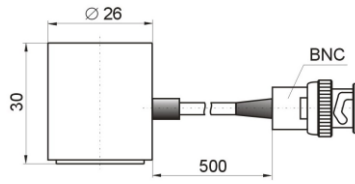


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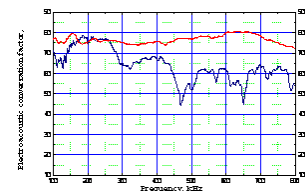
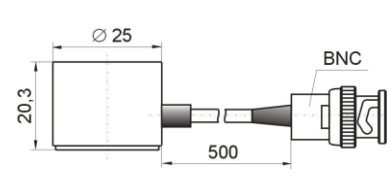
Acoustic Emission transducer		GT200U	GT250	GT350
Parameter	Unit			
Sensitivity	dB re.1V/m/s	>85	>90	>75
Frequency range ± 10 dB	kHz	130 to 200	40 to 100	100 to 800
Resonant frequency	kHz	165	50	120
Temperature range	°C	-40 to +100	-40 to +100	-40 to +100
Insulation resistance	M Ω	-	-	-
Capacitance w.o. cable	pF	-	-	-
Supply voltage	V	12	12	12
Supply current	mA	30	30	30
Integral cable length	m	0.5	0.5	0.5
Extension cable supplied		-	-	-
Connector		BNC	BNC	BNC
Side/Top-connection		Side	Side	Side
Housing material		Stainless steel	Stainless steel	Stainless steel
Weight	gram	70	80	15
Type		Resonant with amplifier	Low frequency with amplifier	Wide band with amplifier



GT200U



GT250



GT350