

SCIENTIST SERIES
ULTRA MACHINE**WATT****The power and the glory****The Machine:**

Even more subtle. Even more transparent. With an even bigger soundstage and a force beyond equal. WATT makes another quantum leap from the celebrated performance of our audiophile amplifier SAM onto another level. Whoever wants the penultimate in a single machine – WATT's your choice. From this day on.

The science:

Special features WATT

- Massive 20 mm aluminium body and resonance-optimized fixation with invisible screws.
- Magnetically and capacitively optimized circuit and device design.
- Double-mono design for maximum channel separation.
- Electronic volume control with high audio grade components.
- DC-coupled design without any sound degrading capacitors or coils, shortest signal paths.
- ULA technology (Ultra Linear Amplifier).
- Separated power supply for control and analog sections.
- Two separated power supplies for driver stage and power stage of amplifiers.
- One encapsulated 50 VA toroid transformer with separated windings for input and driver stage.
- Two encapsulated 700 VA toroid transformers for the power stage.
- Total capacitance more than 200.000 μ F.
- Consequent double-mono design of phono module for MM and MC pickups, setup by user menu.
- Internal wiring with gold-doped pure silver cables.
- Rhodium speaker terminals by Furutech.
- Rhodium fuse.
- By-pass mode for integration into home cinema systems.
- Microprocessor with separate power supply – controls and monitors all functions and informs the user via diamable display.
- 2 Audionet Link outputs to control further Audionet devices remotely.
- Switchable headphones output driven by power stage.
- Audionet metal remote control RC I.

Specifications & Finish:

Type	Analog integrated stereo amplifier
Output power	2 x 167 Watt into 8 Ω 2 x 284 Watt into 4 Ω 2 x 443 Watt into 2 Ω
Frequency response	0.3 - 650,000 Hz (-3 dB)
Damping factor	typ. 1,000 at 100 Hz
Harmonic distortion	k2 typ. -101 dB, k3 typ. -107 dB, @1 kHz, 25 W/4 Ω
THD+N	< -98 dB @1 kHz, 100 W/4 Ω

SNR	> 106 dB (A-weighted)	
Channel separation	> 103 dB @ 1 kHz	
Filtering capacitance	200,000 µF	
Inputs	3 pairs RCA line, gold plated, Teflon insulated 1 pair XLR balanced, gold plated (Neutrik)	
Input impedance	Line input:	50 kΩ
	XLR input:	7 kΩ
Outputs	2 pair Furutech 4mm-jacks, Rhodium 1 pair RCA, gold-plated, Teflon insulated (Pre Out) 2 Audionet Link, optical (TosLink) 1 headphones socket (6.3 mm, stereo)	
Mains	220...240 V or 110...120V, 50...60 Hz	
Power consumption	< 1 W Stand by, typ. 900 W	
Dimensions	Width:	430 mm
	Height:	130 mm
	Depth:	450 mm
Weight	22.5 kg	
Finish	Front:	Brushed aluminium, 12 mm, C-32 (light bronze) anodized, text and icons engraved
	Display:	White
	Cover:	Brushed aluminium, 6 mm, C-32 (light bronze) anodized
	Plates:	Brushed aluminium, 12 mm, C-32 (light bronze) anodized
	Chassis:	Brushed aluminium, C-32 (light bronze) anodized, white printing
Options	Phono card for MM/MC pick-ups	

AUDIONET

Scientific magic.

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