

Stimul 1340



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Last generation Nd:YAP laser
for neurophysiology

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Stimul 1340 is a latest generation **pulsed Nd:YAP** laser, used in neurophysiology for studying evoked potentials.

The stimulus generated by **Stimul 1340** excites the thermal-mechanical nociceptors provoking cerebral potentials and in this way allowing to detect the dysfunctions in the behaviour of the afferent fibres.

Stimul 1340 has a **high peak power**, a **large spot size** and the laser stimulus is transmitted through an **optical fibre**, thus being very handy and permitting usage in special premises like those used for MRI and MEG.

Stimul 1340 can be interfaced with any type of electromyographs. All operating and safety parameters are controlled by a microprocessor.

Moreover, the system may be **connected to an external PC** for the remote control of all operating parameters, in order to standardize and store the procedures and avoiding repetitive manual settings.

APPLICATIONS

neurophysiology

Stimul 1340

type of laser	Nd:YAP
wavelength	1340 nm
emission	pulsed
peak power	up to 750 W
energy	from 0.5 J to 15 J (step 0.25 J)
pulse length	from 1 ms to 20 ms (step 1 ms)
spot diameter	up to 15 mm
transmission system	optical fibre 550 μ m (length 10 m)
aiming beam	diode laser 1 mW @ 635-670 nm
power supply	230 Vac / 7.5 A max / 50-60 Hz
dimensions	68 cm (H), 23 cm (W), 65 cm (D)
weight	40 kg

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