ELSE NUCLEAR

ELSE NUCLEAR SATURN I

Digital ratemeter/controller

Wall-mounted acquisition and control unit for ELSE NUCLEAR detectors, with local readings and alarms.



Weight
1 kg [1]

Specifications

MEASURING RANGE

Dose-rate processing	Instantaneous, 1 min average and 1 min maximum	[1]

ELECTRONICS & SIGNAL

Signals and interlock	NC/NO status contacts; NO/NC interlock; TTL input for beam-on	[1]

SOFTWARE & DATA

Integrated dose	10 min, 1 h, 24 h and total	[1]

CONNECTIVITY & INTERFACE

Display	LCD, 2 × 16 characters, backlit	[1]
Ethernet	10/100; up to 100 m	[1]
Serial interfaces	RS232: up to 30 m; RS485/422: up to 1 km	[1]

MECHANICAL

Dimensions (W × H × D)	109 × 225 × 46 mm	[1]
Weight	1 kg	[1]

ENVIRONMENT & RATINGS

Operating temperature	−25 to +50 °C	[1]

ORDERING & ACCESSORIES

Detectors in order guide	GM-1; MERCURY GMP WR; ICP-T; LUPIN	[1]

GENERAL

Format	Standard wall-mounted version	[1]
Status indication	Green: normal; yellow: pre-alarm; red: alarm; internal buzzer	[1]

Sources

[1] SATURN I, SATURN II – Digital ratemeters (datasheet)
ELSE NUCLEAR · datasheet · p. 1; p. 2; p. 2 – order guide · checked 2026-10-16
https://www.elsenuclear.com/wp-content/uploads/2026/01/DAT_SATURN_EN_1.11.pdf

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.