ORTEC

# ORTEC 419

## Precision pulse generator

Generates test pulses that simulate radiation detector signals for calibration, setup and troubleshooting.



Net weight
**.0 kg** [1]

## Specifications

### MEASURING RANGE

| | | |
|---|---|---|
| Attenuation range | 2000:1 | [1] |

### ELECTRONICS & SIGNAL

| | | |
|---|---|---|
| utput polarity | Positive or negative | [1] |
| Pulse rate | Mains frequency or 70 ±10 Hz | [1] |
| Direct output amplitude | 0–±1 V with internal reference and 100 Ω load | [1] |

### MECHANICAL

| | | |
|---|---|---|
| Net weight | 2.0 kg | [1] |

### ENVIRONMENT & RATINGS

| | | |
|---|---|---|
| Temperature instability | <±0.005%/°C; 0–50°C | [1] |

### GENERAL

| | | |
|---|---|---|
| Rise time | Min (~5 ns), 20, 50, 100 or 250 ns, switch selectable | [1] |
| Exponential decay | 200 µs terminated; 400 µs unterminated | [1] |
| Module width | Double width (NIM standard) | [1] |

## Sources

[1] **419 Precision Pulse Generator**
RTEC (AMETEK) · datasheet · p. 1, features; Controls (POLARITY); p. 1, Controls (RISE TIME); p. 1, Specifications – Pulse Amplitude · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

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.