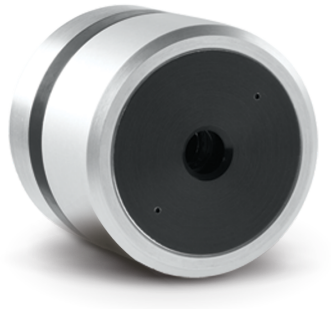
QUAD-9-MT-E-D0

P/N 201774

4-quadrant laser position sensing detector for pulsed lasers.



KEY FEATURES

MEASURE, TRACK AND ALIGN

Follow your laser beam wherever it goes.

4-CHANNEL DETECTORS

Unique quadrant detector technology senses laser beam position with high resolution.

FOR CW, PULSED AND HIGH REP RATE LASERS

- QUAD-E: energy per pulse from µJ to mJ
- QUAD-P: powers from µW to mW

FROM UV TO FIR AND THZ

Absorbers to cover all sources, from UV to millimeter wavelengths

LARGE AREA SENSORS

9 mm and 20 mm square detectors

FAST USB 2.0 CONNECTION

Ensures full speed tracking

INCLUDES APPLICATION SOFTWARE

Complete LabView application software included, with many features

COMPATIBLE STAND

STAND-D-233

COMPATIBLE DISPLAYS & PC INTERFACES

QUAD-4Track

MEASUREMENT CAPABILITIES

Spectral range	0.1 - 3000 µm
Typical rise time	150 µsec
Maximum repetition rate	1000 Hz
Minimum beam size[1]	4.5 mm Ø
Minimum position resolution	1 µm
Calibration uncertainty	Â±4 %
Maximum measurable energy	20 mJ
Noise equivalent energy	0.5 µJ
Maximum pulse width	2.5 µs

1. For optimal performance

DAMAGE THRESHOLDS

Maximum average power density[1]	100 MW/cm²
Maximum energy density[2]	50 mJ/cm²

1. At 1064 nm.
2. At 1064 nm, 10 ns.

PHYSICAL CHARACTERISTICS

Aperture width	9 mm
Aperture height	9 mm
Absorber	MT
Dimensions	63.5Ø X 40.6D mm
Weight	0.18 kg