



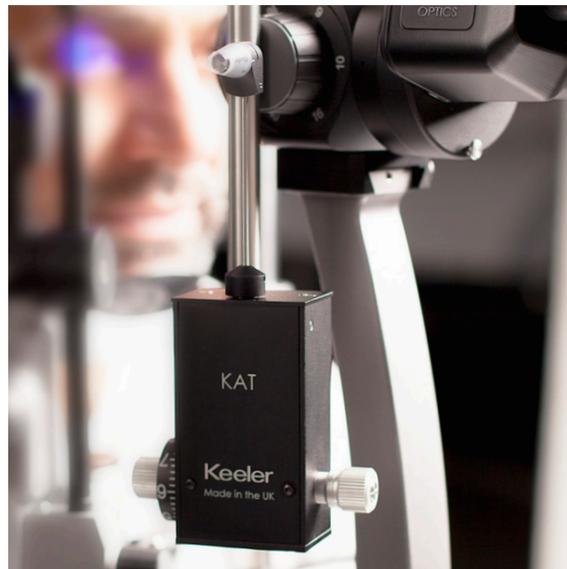
KAT

Keeler Applanation Tonometer

# KAT Keeler Applanation Tonometer

The Keeler Applanation Tonometer is indicated for measuring intraocular pressure to aid in the screening and diagnosis of glaucoma.

The Keeler Applanation Tonometer (KAT) is an accessory item for most 'Tower illumination' type of Slit Lamps and thanks to its versatility, the KAT Tonometer can be mounted on and used with Slit Lamps produced by many manufacturers.



## Key features

- The KAT is made with precision machined components, subject to stringent quality controls pre, during and after assembly to add reliability and repeatability to an established technique
- Our all metal parts manufactured to a high precision engineering design will withstand the test of time and deliver reliable results year after year
- British built
- Lightweight and portable



## Specifications

### KAT Installation

**KEELER T-TYPE: for H-Style illumination systems** Fitted to the guide plate on the optical axis for the microscope and illumination unit arm

**KEELER R-TYPE: for some Z-Style and H-Style illumination systems** Mounted on tonometer post on microscope

### Measurement

**MEASUREMENT FORCE** By leverage weight

**MEASUREMENT RANGE** 0 - 80 mmHg

**STANDARD DIVERGENCE** 0.49 mN or 1.5% of measurement value, whichever is the greater

### Operation

**OPERATING TEMPERATURE RANGE** From 10°C to 35°C

**MEASUREMENT ACCURACY**  $\leq 0.49$  mN

### Net Weight

**KEELER T-TYPE** 0.48 kg (without accessories)

**KEELER R-TYPE** 0.82 kg (without accessories)



*Keeler precision engineering*

## Part Numbers

### Keeler KAT Tonometers

**2414-P-2030** Keeler KAT T-Type

**2414-P-2040** Keeler KAT R-Type

### Accessories

**2414-P-8037** Tonometer doubling prism

**2414-P-5005** Calibration arm assembly

**2414-P-5032** T-Type guide plate

**2414-P-5042** R-Type post





## KAT Overview

The Keeler Applanation Tonometer (KAT) is a screening device used to measure intraocular pressure which is one of the key biomarkers considered in diagnosing glaucoma.

The KAT is a non-active medical device and is completely mechanical, therefore does not require battery power.

The operation principal is based on the Goldmann Applanation method. The KAT comes in two mechanical variants, the R-Type and the T-Type.

## What's in the box?

- KAT
- Instructions for use USB
- Calibration key
- Glide plate (T-Type only)
- Tonometer post (R-Type only)
- Tonometer mount screw (R-Type only)
- Reusable tonometer prism

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