Keeler Applanation Tonometers

The Goldmann principle is considered to be the most prevalent method of tonometry, as it is the most widely accepted method of determining the approximate intraocular pressure. The Keeler-manufactured applanation tonometers are designed and built to our exacting standards to give you the accuracy and quality you expect from a Keeler device. All KAT tonometers are supplied with one reusable doubling prism, the calibration check bar, and either the Z-type (Zeiss) or the R-type post or the T-type aluminium guide plate for slit lamp use.

D-KAT Digital Applanation Tonometer

- LED display for ease of use in darkened environments
- Z-type, T-type, and R-type available
- Display reading to 1 decimal point

D-KAT R-Type

D-KAT T-Type

D-KAT Z-Type

Keeler Applanation Tonometer Specifications

MEASUREMENT FORCE	By leverage weight
INSTALLATION	
Keeler T-Type for tower illumination slit lamps	Fitted to the guide plate on the optical axis for the microscope and illumination unit arm
Keeler R-Type for tower illumination slit lamps	Mountable on a post fitted to the microscope optical body
MEASUREMENT RANGE	0–80mmHg (0–10.64 kPa)
APPROXIMATION OF THE IMPACT FORCE ON THE MEASUREMENT HEAD FOR A 0 TO 58,84 MN MEASUREMENT RANGE	Standard divergence: 0.49mN ≤ 3s ≤ 1.5% of nominal value
OPERATING TEMPERATURE RANGE	from 10°C to 35°C
MEASUREMENT ACCURACY	≤ 0.49mN
NET WEIGHTS	
Keeler T-Type	0.41kg (without accessories)
Keeler R-Type	0.69kg (without accessories)
PART NUMBERS	2414-P-2032 – D-KAT – Keeler Applanation Tonometer T-Type 2414-P-2042 – D-KAT – Keeler Applanation Tonometer R-Type 2412-P-2010 – D-KAT – Keeler Applanation Tonometer Z-Type 2414-P-2020 – KAT – Keeler Applanation Tonometer BQ-Type 2414-P-2030 – KAT – Keeler Applanation Tonometer T-Type 2414-P-2040 – KAT – Keeler Applanation Tonometer R-Type
ACCESSORIES	2414-P-5001 – KAT doubling prism 2414-P-5032 – KAT T-Type guide plate 2414-P-5042 – KAT R-Type mounting post 2414-P-5005 – Calibration arm assembly