



## QD-300A

### Computerized Automatic Headlight Tester

#### Main Technical Specifications

##### ◆ Measuring Range

Luminous Intensity : 0 ~ 40,000 cd  
 Deviation of Optical Axis:  
 Up 1°30' ~ Down 2°30'  
 (up 20cm/10m ~ down 40cm/10m)  
 Left 2°30' ~ Right 2°30'  
 (left 40cm/10m ~ right 40cm/10m)

##### ◆ Measurement Accuracy

Luminous Intensity: ±12%  
 Optic Axial Angle: ±12'

##### ◆ Repeatability: ±15'

##### ◆ Power Supply: AC220V ±10% 50Hz ±1Hz

##### ◆ Weight: 130kg

##### ◆ Dimension of The Rail Guide:

550mm(center distance) × 4,500mm(length)

##### ◆ Outer Dimension:

850mm(W) × 1,600mm(H) × 650mm(D)

#### Main Features and Specifications

QD-300A Computerized Automatic Headlight Tester is a kind of headlight measuring instrument designed for automatic following of the trace of optical axis and automatic testing of luminous intensity and illuminating direction of headlights being tested. It is internally equipped with AC servo micro driving motor for accurate control and reliable operation. With microcomputer inside for data processing and automatic control, the test and inspection is full automatization. With the function of self-checking for fault, it can automatically check five main control units, so as to ensure normal operation of the instrument. High-brightness digital display, which is clear and definitive. The instrument can automatically enter into the luminous area of headlight, automatically follow the trace of optical axis, automatically test and transmit data. Equipped with RS-232C digital serial communication interface, this tester effects digital transmission. It is presently an ideal headlight tester in practical use.