

**Product Name :**  
Continuous Friction Measuring Equipment

**Product Code :**  
TEST5107RFQLAB-0007



**Description :**

Continuous Friction Measuring Equipment

**Technical Specification :**

The two-wheel continuous friction measuring equipment utilizes a system of skidding a special non treaded tyre across the pavement surface and measures the resultant resistance force to calculate surface frictional properties.

Trailer size: 1553x960x570mm (LxWxH)

Trailer connector height: 350±12mm

Trailer weight: 254kg (without the support wheel)

Weight distribute: Left wheel--at calibrated height position 77.5±1kg

Weight distribute: Right wheel--at calibrated height position 77.5±1kg

Testing wheel adjustment: Double wheel adjustment: left/right wheel 7.5°each wheel Single wheel adjustment: right wheel 15°

Rear wheel: 53.5kg

Testing wheel (especially for friction coefficient test): ASTM 1551E

Testing wheel for distance: Standard tyre

Tyre pressure: Testing wheel for friction coefficient: 0.7±0.035kg/cm<sup>2</sup> Testing wheel for distance:

2.1±0.137kg/cm<sup>2</sup>

Speed: 0~100km/h

Testing speed for international airport : 65km/h and 96km/h

Testing speed for standard pavement: 50km/h

Working voltage: DC 9-36V (12V, 24V vehicle power can be used)

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Electronic component: Internet interface, laptop  
Friction coefficient testing accuracy: Average value  $\pm 0.01$   
Distance testing accuracy:  $\pm 0.1\%$  (plus tyre abrasion)  
Temp. measuring: Pavement surface temp. sensor  
Testing accuracy:  $\pm 1\%$   
Water sprinkler system (optional): Manual or automatic control

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