

# PAINT INSPECTION GAUGE

## BEVS 1707

### User Manual



### Version 201601

This manual shall be read carefully before starting. Directions included in this operation manual shall be strictly followed.

## 1. Company Profile

BEVS Industrial Co., Ltd is a leading manufacturer that specializes in coatings, ink, painting, resin testing instruments and laboratory whole solution.

We offer the complete and unique products in this field to meet customer's challenging demands of today and tomorrow, the products are complied with the standards of ISO, ASTM, DIN, BS, EN etc.

With strong supports and hard work by lots of end-users and worldwide agents, BEVS become more and more famous in the world and provides more competitive values for our customers.

## 2. Product Introduction

BEVS 1707 PIG is a destructive precision tool for inspection and thickness measurement on single or multiple coats on virtually all substrates, including wood, plastics, metals, glass, concrete etc. Also observes and measures substrate and film defects.

It could use the x 50 magnifier to test the different coating in all kinds of substrates under the light.

### 2.2 Technical Specification

2.2.1 **Dimension:** 128x90x25mm

#### 2.2.2 Measure Range

Cutter No.	Angle	Range	Thickness of Each Scale
NO.1	45	20-1800um	20 $\mu$ m
NO.2	62.4	10-900um	10 $\mu$ m
NO.3	84.3	2-180um	2.0 $\mu$ m

#### 2.2.3 Working Principle

Cut the groove in V shape from the coating to the substrate with the tungsten carbide cutter, test the thickness with the optical scale of the magnifier.

#### 2.2.4 Configuration

BEVS PIG is made of senior aviation aluminum and includes magnifier with scale, LED light, cutter and two balancing wheels.

## 3. Usage

3.1 Select the testing position.

3.2 draw a line with the pen on the testing surface.

3.3 Handle the PIG tightly and cut the coating in the vertical position with the line. Increase the force till the substrate is scratched.

3.4 Read the coating thickness with the magnifier.

#### **4. Standard**

In accordance with ASTM D4138, DIN 50986, BS3900-C5, ISO 2808

#### **5. Order Information**

BEVS1707 Paint Inspection Gauge, including 1 pc of No.1 Cutter, battery, marker pen and carrying case

#### **6. Order Information of Accessories**

BEVS1707 PIG/1 Cutter No.1

BEVS1707 PIG/2 Cutter No.2

BEVS1707 PIG/3 Cutter No.3