

IC-17H

Handheld NIR Spectral Plastic Analyzer

Fast, non-destructive identification of plastic materials with near-infrared spectroscopy.



WHY CHOOSE IC-17H

01

RAPID DETECTION

Identifies 6 types of plastics (ABS, PE, PET, POM, PP, PVC) in just 1~3 seconds.

02

BROAD SPECTRAL RANGE

900-1700 nm coverage for precise and reliable material characterization.

03

LIGHTWEIGHT & PORTABLE

Only 1.4 kg with compact design for comfortable one-hand field operation.

04

TOUGH & RELIABLE

0-50°C operating range. 5000 mAh battery delivers 2 hours of continuous use.

SPECIFICATIONS

PARAMETER	VALUE	PARAMETER	VALUE
Model	IC-17H	Operating Temp.	0-50 °C
Spectral Range	900-1700 nm	Battery Capacity	5000 mAh
Identifiable Plastics	ABS, PE, PET, POM, PP, PVC	Battery Life	2 h
Measurement Time	1~3 s	Charging Voltage	16.8 V
Light Source Power	1.4 W	Weight	1.4 kg
Total Power	40 W	Dimensions	270 × 205 × 98 mm

KEY FEATURES

- Non-destructive testing — No sample preparation required
- Built-in database — Instant material identification on-site
- Touchscreen interface — Simple one-button operation
- Long battery life — 2 hours of continuous field use
- Rugged design — Suitable for harsh industrial environments
- Compact & lightweight — Easy one-hand operation