

Premium Hand Scanning Technology



TR HandHeld scanners are proven to accurately detect concealed metallic items.

Generally used in conjunction with walk-through metal detectors in numerous security screening applications, the Todd Research range covers every clients' needs.

TR HS1 – Thorough and fast inspection

- ▶ Automatic adjustment
 - ▶ Visual/audio alarm signal
 - ▶ Dynamic operation mode
 - ▶ No risk to pacemaker wearers and magnetic data carriers
 - ▶ Ergonomic design
 - ▶ Easy to operate
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TR HS2 – Highly Sensitive and high resolution

- ▶ Detects all kinds of small metal objects
 - ▶ Precise pinpointing
 - ▶ Clear visual and audio alarm signals
 - ▶ Dynamic operation mode
 - ▶ Lightweight and robust – for continuous operation
 - ▶ Easy to operate
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TR HS3 – Rugged and Robust

- ▶ Threshold Adjustment
 - ▶ Large scan surface
 - ▶ Easy Battery Replacement
 - ▶ Low Battery Power Indicator
 - ▶ Interference elimination button
 - ▶ Auto re-tuning
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TR HS Technical Specifications

Product Comparative Table

This table is designed to give you more detail on the features and benefits of each

Product selection criteria	TR HS1	TR HS2	TR HS3
Sensitivity level	High	High	High
Detects magnetic and non magnetic metals	•	•	•
Acoustic alarm	•	•	•
Easy to use	•	•	•
Rechargeable	•	•	•
Long battery life		•	•
Vibration alarm	•	•	•
Optional battery charger available		•	•
Carry case available separately			•
Best for weapon detection			•
Adjustable sensitivity	•		
Senses metals concealed behind buckles			•
Detects circuits			•
Optical alarm			•

Physical Comparative Table

	TR HS1	TR HS2	TR HS3
Length (mm)	420	420	410
Width (mm)	•	•	83
Thickness (mm)	•	•	45
Handle (mm)	32	32	•
Search Head (mm)	170 x 115	25	•
Weight (g)	270	270	409
Voltage	9v	9v	9v
Operation Time (dry battery – approximate hours)	30-35	30-35	45
Operation Time (recharge – approximate hours)	15	15	20
Operating Temperature (°C)	-10 - 55	-10 - 55	-5 to 55
Headfone Socket**	YES	YES	YES

* Mains Battery Recharger is an optional extra

** Headphones are an optional extra

TR HS1

The device meets the international standards on electromagnetic compatibility.

Power supply Battery 1 x ANSI E (E block) 9-V Rechargeable battery 1 x ANSI E (E block) 9-V NIMH (IEC HR 6F22)

Operating frequency 9.5 kHz

*Depending on temperature as well as quality of batteries used

TR HS2

The device meets the international standards on electromagnetic compatibility.

Power supply Battery 1 x ANSI E (E block) 9-V Rechargeable battery 1 x ANSI E (E block) 9-V NIMH (IEC HR 6F22)

Operating frequency approx. 9.6 kHz

*Depending on temperature as well as quality

TR HS3

Power Supply Battery: Standard 9V (Eveready No. 216 or equivalent) or *7.2V Nickel Metal Hydride (NiMH) (rechargeable)

Audio Frequency
2 kHz, Warbled

Voltage: 6.8 to 10 Vdc
Current: 5 mA, typical

Humidity:
To 95% noncondensing
Environmental Protection:
1EC 60529 classification IP54

Design Policy

Todd Research reserves the right to change specifications in the course of continuous improvement. Specifications are provided for reference only and actual equipment may differ slightly from the description given. Typical dimensions are within ±5% of nominal values.

Todd Research – safe in our hands

We are dedicated to providing essential threat protection to every organisation of every size.

We deliver appropriate, reliable and innovative security solutions – because we never forget that anything less could result in potentially severe or fatal consequences for your operation.

We constantly invest to fulfill future security needs. Fully compliant with all HSE and international safety standards, with Todd Research it's more than an investment in technology – it's an investment in total peace of mind.

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