

## NextSpot 600 Specifications

**Product Name** NextSpot 600 Phased Array Ultrasonic Spotweld Detector

### HOUSING

**Overall Dimensions** 287 mm × 267 mm × 67 mm (11.3 in. × 10.6 in. × 2.6 in.)

**Weight** 3.5 kg (7.7 lb) with Battery

**IP Design** IP 54

**Control Device** InfraRed Remote Control, Touch Screen

**Sensor Probe** D-sub 68 – Matrix

**Power Socket** 5.5-2.5 mm DC Socket

### ENVIRONMENTAL SPECIFICATIONS

**Operating Temperature** -10°C to 50°C (14°F to 122°F)

**Storage Temperature** -20°C to 60°C (-4°F to 140°F) with Battery

-20°C to 70°C (-4°F to 158°F) without Battery

**Relative Humidity** Max. 70% RH at 45°C Non-condensing

### DISPLAY

**Display Size** 26.4 cm (10.4 in.)

**Resolution** 1024 x 768

**Brightness** 600 cd/m

**Viewing angles** Horizontal: -89° to 89° Vertical: -89° to 89°

**Display Type** TFT LCD

### POWER SUPPLY

**Battery Type** Smart Li-ion Battery

**Number of Batteries** One (Standards Model)

**Battery Life** Approximately 12 Hours Under Normal Operating Conditions with one battery

**Power Supply Unit** 100-240 V AC, 47-63 Hz, 1.45 A

**PRF** 8K Hz (No Continuous Pulse Series)

### ULTRASOUND SPECIFICATIONS

**Number of Channels/Elements** 64 Channels / 52 Elements

**Voltage** 50 V

**Pulse Shape** Negative Square Wave

**Initial Pulse Rise Time** <2.5 ns

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<b>Damping:</b>	50 ohm
<b>Thickness Measuring Range</b>	0.5-9 mm
<b>Velocity Range</b>	2000-8000 m/s
<b>Probe Delay</b>	2-8 us
<b>Frequency (Center Frequency)</b>	1 – 25 MHz (16 MHz)
<b>Gain</b>	40 dB
<b>Sampling</b>	12 bit 100 MSPS

## DATA VIEWS

<b>Display Mode</b>	A-scan (52 channel) , C-scan
<b>Welding Nugget</b>	Real-Time Welding Nugget Diameter Measurement
<b>Indentation</b>	Real-Time Detect, Smart Average
<b>Stack:</b>	Real-Time Detect, Smart Average
<b>Data Synchronism:</b>	USB; NAS (Optional)

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