

Intermec

## Product Profile

- Exceptional reading performances: very fast, for contact and non contact applications (up to 49.2 cm/19.4")
- Read long, damaged, poorly printed barcodes and extremely small bar widths (0.05mm, (2mils))
- Long life time and high reliability
- Light weight, bright and sharp scan line for easy use
- Harmless illumination for a safer working environment
- Cost efficient for contact and non-contact scanning



### SCANPLUS® 1800 VISTA SCANNER

Combining the benefits of CCD & Laser technologies, the ScanPlus 1800 Vista is the ultimate user's choice. New Intermec developments in decoding and scanning resulted in:

#### Unique reading performances

The S1800VT succeeds in reading barcodes at 49.2 cm (19.4") distance with a scan rate of up to 225 scan/sec. Snappy response and easy aiming makes it very comfortable to use.

Also, it can read any type of codes, whether they are poorly printed, damaged, 18cm (7") long, or if they incorporate code 39 with a barcode width of 0.05mm/0.2mil (unique in the market place). It is operational in any lighting conditions, from total darkness to full exposition to sun light (100,000 lux).

#### Comfortable to use

The S1800VT inherits the ergonomics and light shape of the ScanPlus 1800 family. Aiming is very easy thanks to the sharp and bright scanning line (specific LED system).

#### Reliability

The S1800VT incorporates no moving parts. For this reason, it has a longer life than any laser scanner. It withstands

multiple drops to concrete from 1m (3.2') and can be used in a wide temperature range.

#### Flexibility

ScanPlus 1800 Vista is compatible for contact and non contact applications. Also, it is compatible with more than 400 host interfaces, including OLEpos and USB. All standard 1D symbologies are available, as well as PDF 417. Future upgrades or special applications are easily implemented using flash memory.

#### Safe to use

Laser scanners can be harmful if the user looks accidentally into the beam. For ScanPlus 1800 Vista, the illumination is produced by LEDs that are absolutely safe for the user.

#### Cost efficient solution

Unique reading performances, snappy, extended reading distance, reliability, flexibility, safety, ergonomics, easy set up... All these benefits gathered at an extremely competitive price. In fact, the S1800VT is the answer for most of the applications and for all budgets.

As any member of the ScanPlus 1800 range, the S1800 VT is compatible with EasySet™ set up software for the fastest on line or off line configuration.

**General Description**

A high performance and compact CCD handheld scanner for non-contact applications. Designed for Retail, Health Care, Office & light Industrial environments.

**Scanning Performances**

**Scanrate:** S1800 VT: 225scan/s  
**Min. x dimension:** down to 0.05mm (2 mil) (Intermec decoding technology)  
**Depth of field :** from 0cm to 49.2cm (19.4")

| Bar width |     | Max. distance* |      | Max. distance on code 39** |       |
|-----------|-----|----------------|------|----------------------------|-------|
| mm        | mil | cm             | inch | cm                         | inch  |
| 0.1       | 4   | 16.2           | 6.4  | 23.0                       | 9.0   |
| 0.2       | 8   | 23.0           | 9.0  | 26.4                       | 10.4  |
| 0.3       | 12  | 26.2           | 10.3 | 36.0                       | 14.17 |
| 0.5       | 20  | 34.5           | 13.6 | 49.2                       | 19.4  |
| 1         | 40  | 49.2           | 19.4 | 49.2                       | 19.4  |

\* From scan-engine  
 \*\* Advanced Intermec decoding technology used

**Bar code width:** up to 18cm (7") on 0.3mm/12mil resolution code  
**Print Contrast:** down to 25%  
**Scan Angle:** 48°  
**Skew:** +- 35°  
**Pitch:** +- 35°

**Bar Codes Supported**

UPC (E&A); EAN; Code 39; Interleaved Matrix, Industrial & Standard 2 of 5; Code 128, UCC EAN 128, Codabar, Code 93, ISBN, MSI, Plessey, Telepen

**Host Interfaces**

USB, OLEpos, Wand & Laser emulation, single/dual RS232, IBM 46xx, OCIA, HP700/xx, PC AT/PS2 wedge to over 400 terminals & PC. Extensive interface information on application.

**Operator Feedback**

Green good read LED. Adjustable beeper.

**Design Features**

**Processor:** Custom chip (ASIC inc. DSP processor) for fast signal processing and decoding. Flash memory.  
**Optics:** 645 nm visible red Top LED. Bright & sharp scanning line.

**Environmental Characteristics**

**Operating Temperature:** 0 – 50°C (32 – 122°F)  
**Storage Temperature:** -25 – 70°C (-11 – 160°F)  
**Relative humidity:** 5% to 95% (non condensing)  
**Shock:** withstands multiple 1m (3.2') drops to concrete  
**Ambient illumination:** works in any lighting condition, from 0 to 100,000 lux.

**Electrical Characteristics**

**S1800 VT:** 140mA (average) and 40mA (stand by)

**Physical Characteristics**

**Length:** 180mm (7")  
**Width at handle:** 33mm (1.3")  
**Width at head:** 64mm (2.5")  
**Standard cable:** 1.8m (70")  
**Weight without cable:** 140g  
**Case:** High-impact ABS self-extinguishing plastic. Rubber end cap and boot.

**Special Features**

Firmware updates via flash memory, programmable data format (code identification, preambles & postambles, intercharacters & intermessage delays, variable time-out, and many others).

**Configuration**

Fast & easy set up with EasySet™ Windows software

**Accessories**

Desk/vertical holder  
 Raised hands-free stand (option)

**Regulatory Approvals**

UL Listed, TÜV-GS, NOM certified.  
 Complies with FCC rules part 15, CE mark, Australian C-TIC, Canadian ICES 003.

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