

P300STD



Industrial Undecoded Bar Code Scanner

BAR CODE SCANNERS

Optimal Ergonomic Design for Enhanced Industrial Data Capture

The P300STD undecoded industrial hand-held scanner from Symbol Technologies reads conventional 1-D bar codes in rugged industrial environments. Utilizing Symbol's high-performance SE 1200HP scan engine and superior Phaser ergonomics, the P300STD offers the highest level of scanning efficiency and user comfort available.

Designed for Extreme Environments (XE)

The P300STD meets the most stringent industrial standards, earning the Symbol XE class label. It is sealed to the IP54 specification against windblown dust and rain, and withstands multiple 6 ft./1.8 m drops to concrete over the entire temperature range of -22° to 122° F/-30° to 50° C.

Its XE class ruggedness and high-throughput scanning ability make the P300STD an ideal choice for a wide range of 1-D applications in industrial environments such as distribution centers, manufacturing floors and warehouses.

Innovative Design Features

As innovative as it is rugged, the P300STD delivers the sophisticated ergonomic and operational features industrial applications demand. The scanner's exit window is scratch-resistant and recessed to prevent damage from direct contact. A twist-to-lock cable seals the scanner and provides superior strain relief. For those applications requiring quick access and out-of-the-way storage, the P300STD comes with a built-in metal hook for attachment to a pulley. And the large, LED-enhancing window makes the "good decode" feedback impossible to miss. The P300STD also utilizes the award-winning Phaser "handle-forward" design making the scanner extremely comfortable to hold and reduces fatigue when scanning throughout a full shift in scan-intensive applications.



Features	Benefits
XE-class durability	Withstands multiple 6 ft./1.8 m drops to concrete
Sealed to IP54 standard	Protected from windblown dust and rain
650 nm laser diode	Easy to see laser beam
Large, bright LED window	Excellent user feedback

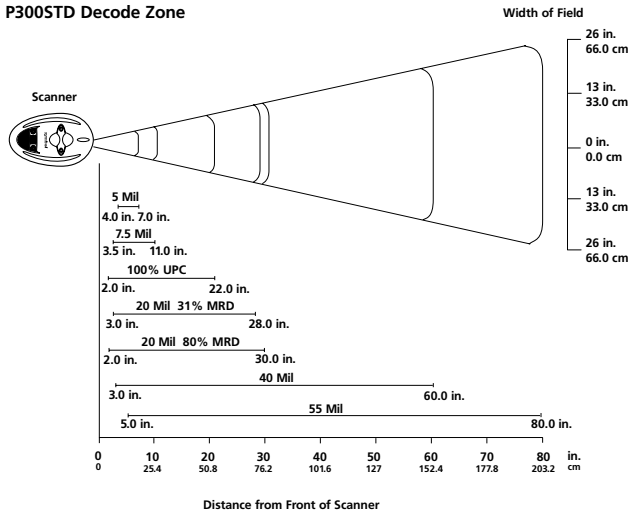
High-Productivity Scanning

Building on Symbol's experience and leadership in the industrial hand-held scanner market, the P300STD offers numerous hardware and software improvements that deliver better performance and more durability than ever. The P300 uses the SE 1200HP scan engine with high-visibility 650 nm laser and Adaptive Logic Technology. Using multiple digitizer thresholds, Adaptive Logic extends the working range on both high-density and poor-quality bar codes. The high-visibility 650 nm laser makes it faster and easier to aim the scanner and read bar codes in sunlight and bright ambient light.

To find out how your company's workforce can be more productive using the P300STD, visit us at www.symbol.com



P300STD Decode Zone



Note: Typical performance at 68°F (20°C) on high-quality symbols.

P300STD Specification Highlights

Physical Characteristics

Dimensions:	6.8 in. H x 5.9 in. L x 2.9 in. D/ 173 mm H x 150 mm L x 74 mm D
Weight:	11 oz./312 gm (without cable)
Power Requirements:	Laser On 100 mA
Power Supply:	Input voltage from 4.75 V to 14 V

Performance Characteristics

Interface Type:	Standard undecoded interface
Scan Element Type:	Retro-collective
Light Source:	650 nm laser diode/1.2 mW max
Scan Rate:	35 scans per second
Minimum Reflectance Difference:	25% measured at 650 nm
Program Loading:	Parameters set by bar code menus
Decode Capabilities (decoder required):	UPC-A, UPC-E, EAN 8, EAN 13, Code 39, Tri-Optic Code 39, Code 93, Discrete 2 of 5, Bookland EAN, UPC Coupon Code, Code 39 Full ASCII, Code 128, Interleaved 2 of 5, Codabar, UCC.EAN 128 with full autodiscrimination between all symbologies, MSI Plessey, UPC E1

User Environment

Operating Temperature:	-22° to 122° F/-30° to 50° C
Storage Temperature:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% (noncondensing)
Shock:	Withstands multiple 6 ft./1.8 m drops to concrete
Ambient Light Immunity:	Sunlight: 10,000 ft.-candles; Incandescent, Fluorescent, Sodium Vapor, and Mercury Light: 450 ft.-candles, 4,845 lux. Immune to direct exposure from normal office and factory level lighting
Environmental Sealing:	IP54 (Industry standard for dust and water sealing)
Agency Approvals:	CDRH Class II, IEC 825 Class II, FCC Class A, UL, CSA, VDE

Regulatory

Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/IEC950
Laser Safety:	CDRH Class II, IEC Class 2
EMI/RFI:	FCC Part 15 Class B, IECES-003 Class B, European Union EMC Directive

EN410 CE



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