Phaser™ P370 and P470

Cordless Rugged Bar Code Scanner

Flexibility that works inside and outside the enterprise

The Phaser P370 and P470 cordless RF bar code scanners from Motorola are rugged, high-performance wireless devices that enable instant decision-making and seamless communications throughout the enterprise.

Designed with a comfortable forward-scanning pistol grip to minimize fatigue in scan-intensive applications, the P370 and P470 scanners are available in keypad or keyless configurations.

Easy system integration and programmable architecture

The P370 and P470 offer easy system integration along with a programmable architecture that extends functionality beyond basic bar code scanners. For fast integration, both the P370 and P470 support the 123Scan setup utility software, a convenient Microsoft® Windows®-based program that helps reduce your start-up time and costs for these scanners. This free utility enables you to configure communication settings and enable/disable symbologies. It also assists you in generating advanced data formatting (ADF) rules to allow bar code data to be modified by the scanner before it is sent to the host application. The P370 and P470 scanners can be programmed via PC download or by scanning bar codes generated by the utility.

For added versatility, you can also purchase MCL™-Designer software, a programmable architecture that extends scanner functionality. Even non-programmers can develop custom data management applications to harness the on-board computing power of these scanners. Further, MCL-Link communication software easily connects the P370 and P470 to your host. Capabilities include ODBC database connectivity plus the automation of frequent tasks such as nightly data downloads and look-up file updates.

Proven performance and affordability

With the Phaser P370 and P470 cordless RF bar code scanners, you can choose the device that best meets your application needs in any environment. The P370 is suited for extreme environments, making it ideal for warehouse, yard or loading dock applications. And the P470 delivers the identical data capture functionality for in-store uses including stockroom tasks and oversized item checkout. Both scanners deliver the proven performance and affordability that customers have grown to expect from Motorola.

For more information, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us at www.symbol.com/phaser.

Phaser P370 and P470 Specifications

Sidebar

Flash memory
Conduct easy software upgrades in the field

Supports 123Scan utility software and advanced data formatting (ADF)
Delivers seamless integration of scanned data into the existing host application

Advanced long-range functionality
Enables users to read bar codes from as far as 30 feet (9.1 meters) for maximum productivity

Sealed to IP54 standards (P370 only)
Suitable for extreme environments

Optional MCL-Designer
Develop custom data management applications

Preloaded inventory application software
Scan and store bar code data, enter quantities, review and delete records

Physical Characteristics

Dimensions:	7.0 in. H x 9.2 in. W x 3.5 in. D 17.8 cm H x 23.1 cm W x 9.0 cm D
Weight:	12 oz./336 gm
Color:	P360: Yellow body with dark gray keypad P460: Cash register white body with light gray keypad
Keypad:	17-key keypad; single stroke numeric and shifted alpha; user-programmable function keys
Display:	2-line x 20-character; view long lists/menus using scroll keys with MCL application
Battery:	1100 mAh Lithium-ion battery charged via the cradle
Battery Charge Time:	Fully charged (100%) in approx. 3.5 hours

Performance Characteristics

Light Source:	650 nm visible laser diode
Scan Rate:	35 ±5 scans per second (bi-directional)
Nominal Working Distance:	See Decode Zone
Print Contrast	P370/470: 20% minimum reflectance
Minimum:	P370ALR: 40% absolute dark/light reflectance at 650 nm
Scan Angle:	42° ± 2°
Decode Capability:	UPC/EAN, Bookland EAN, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 93, Codabar, Interleaved 2 of 5, Code 128, EAN 128, Discrete 2 of 5, MSI Plessey and Coupon Code
Interfaces Supported:	RS-232, MCL-Link Lite or Symbol Synapse cables (Keyboard wedge, USB, OCIA, Dual RS-232, etc.)

User Environment

Operating Temperature:	P370: -4° to 122° F/-20° to 50° C P470: 32° to 104° F/0° to 40° C
Storage Temperature:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% noncondensing
Drop Specifications:	P370: Multiple 6 ft./1.8 m drops to concrete over entire temperature range P470: Multiple 5 ft./1.5 m drops to concrete over entire temperature range

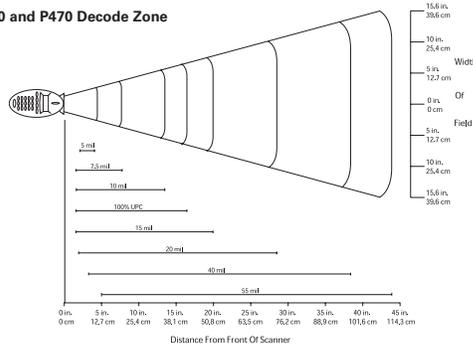|	
Environmental Sealing:	P370: All components sealed to IP54 against windblown rain and dust
Ambient Light Immunity:	P370/470: Sunlight: 10,000 ft. candles/107,644 LUX Artificial light: 450 ft. candles/4,844 LUX P370ALR: Sunlight: 4,000 ft-candles/ 43,056 LUX Artificial: 450 ft-candles/4,844 LUX

Applications

Default Application (Preloaded):	Transmit scanned or keyed in alpha-numeric data; key in quantity to eliminate repetitive bar code scanning
MCL - Designer (Optional):	Windows-based application development software for creation of customized P370/P470/P360/P460 scanner applications
MCL - Link (Optional):	Communications software used with MCL-Designer-generated applications enables seamless connection to host application for task automation, ODBC connectivity, real time text messaging, built-in CRC error detection and more

Radio Specifications

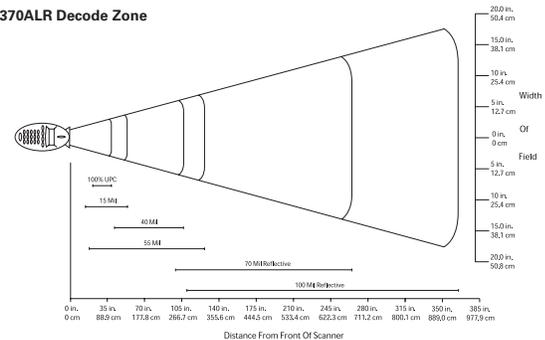|	
Radio Range:	Up to 100 ft./30 m without a direct line of sight
Frequency channels:	2.4 GHz point-to-point narrow band, 82 user-selectable
Radio Output:	<10 mW

Base Station

Versions:	PL370 Dark Gray ; PL470 Light Gray
Dimensions:	3.5 in. H x 9.5 in. L x 4 in. W 8.9 cm H x 24.1 cm L x 10.2 cm W
Power:	Operates from a separate 9V power supply 1.2A
Cables:	RS-232 or Symbol Synapse cables

Regulatory

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

P370 and P470 Decode Zone

Distance From Front Of Scanner

P370ALR Decode Zone

Distance From Front Of Scanner

MOTOROLA