

## Datasheet



**Important:** For complete technical information about this product, including installation instructions, application requirements and guidelines, technical specifications, and accessories, go to [www.bannerengineering.com](http://www.bannerengineering.com) and search for the Instruction Manual (p/n 208913).

- Two-dimensional laser scanner effectively protects personnel and stationary and mobile systems within a user-designated area
- Individually define from three to 70 Safety Zones (depending on the model) and two Warning Zones using a PC
- Safety Zone range of 5.5 meters at 70 mm resolution or 3 meters at 40 mm resolution
- Highly flexible Safety and Warning Zones can be set to match the shape of the work area
- 275° sensing angle
- Suitable for horizontal, vertical, and AGV applications

## Models

A SX5 Safety Laser Scanner System refers to the laser scanner, cordsets (ordered separately), and mounting hardware (ordered separately). Interfacing solutions include safety modules, controllers, and muting modules.

Model	Description	Max Safety Range (m)	Connections (pins)
<b>SX5-B6*</b>	SX5 Safety Laser Scanner, updated stand-alone model	5.5	8
<b>SX5-ME70</b>	SX5 Safety Laser Scanner, master model with encoder inputs	5.5	17 + 8
<b>SX5-M70</b>	SX5 Safety Laser Scanner, master model	5.5	17 + 8
<b>SX5-M10</b>	SX5 Safety Laser Scanner, master model	5.5	12 or 8
<b>SX5-R</b>	SX5 Safety Laser Scanner, remote model	5.5	8

\* The **SX5-B6** is an updated stand-alone model with more features than the **SX5-B**. Use the **SX5-B6** model in new installations of stand-alone systems.

The following items, ordered separately from the scanner, are required to make a complete system.

Qty	Description
1	Mounting hardware (If desired, can mount directly to a surface)
1	Machine interface cable
1	M12 Ethernet cable



**Important:** Configuration software is required. The software is available at [www.bannerengineering.com/SX5](http://www.bannerengineering.com/SX5).

## Responsibilities of Qualified Personnel

To access the SX5 Safety Laser Scanner instruction manual (p/n 208913):

- Go to [www.bannerengineering.com](http://www.bannerengineering.com) to download the manual in the language you require; or
- Call Banner at 1-888-373-6767 or call your local Banner Representative to request a manual



### WARNING:

It is the responsibility of the Qualified Personnel to:

- Carefully read, understand, and follow the information in the SX5 instruction manual
- Perform a risk assessment of the specific machine guarding application
- Determine what risk reduction measures are appropriate per the results of the risk assessment
- Properly install, configure, and then verify that the risk reduction measures are working as intended
- Periodically re-verify, as needed, that the risk reduction measures are working as intended

**Failure to follow any of these responsibilities may potentially create a dangerous condition that could lead to serious injury or death.**

Pour accéder au manuel d'utilisation SX5 Safety Laser Scanner (réf. 208913) :

- Rendez-vous sur le site [www.bannerengineering.com](http://www.bannerengineering.com) pour télécharger le manuel dans la langue de votre choix, ou
- Contactez Banner au 1-888-373-6767 ou appelez votre représentant Banner local pour demander le manuel.



### WARNING:

Il incombe au personnel qualifié de:

- Lire avec attention, bien comprendre et suivre les instructions du manuel du système SX5
- Effectuer une évaluation des risques de l'application de protection spécifique à la machine
- Identifier les mesures de limitation du risque appropriées en fonction des résultats de l'étude de risques
- Installer et configurer correctement le ou les dispositifs de protection destinés à limiter le risque puis vérifier qu'ils fonctionnent de la façon prévue
- Révérer périodiquement, s'il y a lieu, que ces dispositifs de protection fonctionnent toujours comme il se doit

**Le non-respect de l'une de ces responsabilités peut potentiellement créer une condition dangereuse pouvant entraîner des blessures graves, voire mortelles.**

So beziehen Sie die Bedienungsanleitung für den SX5 Safety Laser Scanner (Ident-Nr. 208913):



- Laden Sie die Anleitung in der gewünschten Sprache von unserer Website ([www.bannerengineering.com](http://www.bannerengineering.com)) herunter oder
- fordern Sie die Anleitung telefonisch bei der Banner-Hotline unter der Rufnummer +1-888-373-6767 oder bei einer Banner-Vertretung in Ihrer Nähe an.

**WARNING:**

Es liegt in der Verantwortung des qualifizierten Personals,

- Die Informationen in der Anleitung für den SX5 gründlich durchzulesen, zu verstehen und zu befolgen
- Eine Risikobeurteilung der spezifischen Maschinenschutzanwendung durchzuführen
- Ermitteln, welche Maßnahmen zur Risikominderung aufgrund der Ergebnisse der Risikobeurteilung angemessen sind
- Das gesamte Schutzsystem fachgerecht installieren, konfigurieren und anschließend auf die bestimmungsgemäße Funktion überprüfen
- Je nach Bedarf regelmäßig nachprüfen, ob die Maßnahmen zur Risikominderung wie beabsichtigt funktionieren

**Die Nichtbeachtung einer dieser Verantwortlichkeiten kann zu gefährlichen Zuständen führen, die zu schweren oder tödlichen Verletzungen führen können.**

Per accedere al manuale di istruzioni dello SX5 Safety Laser Scanner (codice 208913):

- Andare al sito [www.bannerengineering.com](http://www.bannerengineering.com) per scaricare il manuale nella lingua desiderata; oppure
- Contattare Banner al numero telefonico 1-888-373-6767 oppure il rappresentante Banner locale per richiedere un manuale

**WARNING:**

È responsabilità della Personale Qualificato:

- Leggere attentamente, assicurarsi di avere compreso e seguire le indicazioni riportate nel manuale di istruzioni del SX5
- Eseguire una valutazione dei rischi dell'applicazione di protezione della macchina specifica
- Determinare quali misure di riduzione del rischio sono appropriate in base ai risultati della valutazione del rischio
- Installare e configurare correttamente il sistema, quindi verificare che le misure di riduzione del rischio assicurino i risultati previsti
- Ricontrollare periodicamente, in base alla necessità, che tali misure di riduzione del rischio continuino ad assicurare i risultati previsti

**La mancata osservanza di una qualsiasi di queste responsabilità può potenzialmente creare una condizione pericolosa che potrebbe causare lesioni gravi o mortali.**

Para obtener el manual de instrucciones del SX5 Safety Laser Scanner (p/n 208913):

- Visite [www.bannerengineering.com](http://www.bannerengineering.com) para descargar el manual en el idioma que necesite; o
- Llame a Banner al 1-888-373-6767 o llame a su representante local de Banner para solicitar un manual

**WARNING:**

Es responsabilidad del personal calificado:

- Leer con atención, entender y seguir la información en el manual de instrucciones de la SX5
- Realizar una evaluación de riesgos que incluya la aplicación de protección de la máquina específica
- Determinar qué medidas de reducción de riesgos son apropiadas según los resultados de la evaluación de riesgos
- Instale, configure y luego verifique correctamente que las medidas de reducción de riesgos funcionan según lo previsto
- Vuelva a verificar periódicamente, según sea necesario, que las medidas de reducción de riesgos funcionan según lo previsto

**El incumplimiento de cualquiera de estas responsabilidades puede crear potencialmente una condición peligrosa que podría provocar lesiones graves o la muerte.**

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