

Biometric Reader Range



Bio-Pass



Bio-Prox



Bio-Flex



Bio-Smart

Key Features

Bio-Pass / Bio-Prox

Software Template Management
Simple, One-Touch Enrolment
Intuitive LED Interface
Multiple Users (see specifications)
RS485 and TCP/IP Connection
Duress Finger Option

Bio-Flex

Software Template Management
Simple, One-Touch Enrolment
Supports Third Party Reader
Multiple Users (see specifications)
RS485 and TCP/IP Connection
Duress Finger Option

Bio-Smart

Portable Database
Scans Stored on Smartcard
Supports MIFARE® Technology
Unlimited Users
Dual Factor Authentication
Duress Finger Option



Bio-Pass

Finger Only Reader

Sensor's Bio-Pass fingerprint reader provides unrivalled security and positive identity verification, without compromising user-convenience. The Bio-Pass is an easy, one-touch fingerprint identification reader for up to 500 users, whilst the finger-only technology eliminates concerns about lost, stolen or damaged cards. The Bio-Pass can be wired to a controller or connected directly to a PC via an RJ11 to Serial cable.

Bio-Prox

Finger and Card Reader

The Bio-Prox combines a self-contained fingerprint module and a proximity reader in one high-quality package, and can hold the templates of up to 4,000 users. In addition to its dual-authentication mode, the Bio-Prox can also be configured to work as a finger only or card only reader. Communication is achieved by wiring the Bio-Prox to a controller or connecting it directly to a PC via an RJ11 to Serial cable.



Bio-Flex

Finger and Card Reader



Sensor's Bio-Flex fingerprint and card reader has all the features of the Bio-Prox, with the addition of being able to communicate to any third party Wiegand reader. It's on-board memory can hold the templates of up to 4,000 individual users, and can also be configured to work as a finger only or card only reader, and as with the rest of the range, the Bio-Flex can be wired to a controller or connected directly to a PC.

Bio-Smart

Finger and Smart Card Reader

The Bio-Smart finger and card reader is one of our most powerful Biometric products. Since finger templates are stored on the MIFARE® smart card, you can always be sure that access is secure, and because no template data is held in the reader itself, the number of cardholders is unlimited. As with the rest of the range, the Bio-Flex can be wired to a controller or connected directly to a PC.



Technical Specifications		
	Bio-Smart	Bio-Pass / Bio-Prox / Bio-Flex
Dimensions (mm)	135 (H) x 120 (W) x 68 (D)	135 (H) x 50 (W) x 60 (D)
Weight	308g	140g
Communication	RS485, TCP/IP, RJ11 to Serial	RS485, TCP/IP, RJ11 to Serial
Number of Templates	Unlimited	500 (Pass) / 4000 (Prox, Flex)
Algorithm Type	Verification (1:1)	Verification (1:1)
Enrolment Time	< 3 seconds	< 3 seconds
Verification Time	< 2 seconds	< 1 second
False Acceptance Rate	0.2%	0.2%
False Rejection Rate	1.0%	1.0%
Voltage Range	9 to 15v DC regulated	9 to 15v DC regulated
Input Current	200mA @ 12vDC	150mA @ 12vDC
Operating Temperature	0°C to +60°C	0°C to +60°C

Ordering Information	
Part	Description
BIO-PASS	Fingerprint reader, supporting 500 templates
BIO-PROX	Fingerprint and card reader, supporting 4000 templates
BIO-FLEX	Fingerprint and card reader, supporting 4000 templates and 3 rd party connection
BIO-SMART	Fingerprint and card reader which stores templates on MIFARE® smart cards