

# Infrared Communications Interface

## Model SC-IRDA

The SC-IRDA is an infrared device that allows a PDA handheld to communicate with a datalogger without opening the enclosure door. Typically this interface is placed in a compression fitting that has been added to the side of an enclosure. The SC-IRDA infrared sensor is sealed against moisture allowing it to withstand exposure to rain and snow.

The SC-IRDA is compatible with PConnect software version 2.1 or higher, and PConnectCE software version 2.0 or higher. PConnect software supports Palm OS-based PDAs and PConnectCE software supports Windows® Pocket PC or Mobile™ 2003 OS-based PDAs. Compatible dataloggers include our CR510, CR10(X), CR1000, CR800, CR850, CR23X, CR3000, and CR7.



### Ordering Information

SC-IRDA	CS I/O Infrared Interface; user installs the SC-IRDA in the enclosure
17206	SC-IRDA installed in an ENC10/12, ENC12/14, ENC14/16 or ENC16/18 enclosure at the factory. Enclosure must be ordered in the same purchase order

### Specifications

Power:	Supplied by datalogger 5 V (on CS I/O port)
Typical Current Drain:	0.17 mA (standby), 6.2 mA (active)
Baud Rate:	9600 (default); rates up to 19200 selectable via software
Communications Range:	Up to 8" (20 cm) with typical lighting
Acceptance Angle:	30°
Temperature Range:	-25° to +50°C
Communication Standards:	Conforms to the IRDA low power SIR specifications as supported by most Palm PCs and laptops.
PDA Handheld Requirements:	Must have an IRDA sensor and an IR chipset compatible with the SC-IRDA (see PConnect or PConnectCE product literature for other PDA requirements)
CE Compatible:	Complies with EMC standard EN61326:1996
Dimensions:	0.5" (1.2 cm) sensor head diameter, 1.7" (4.4 cm) sensor head length, 2.6 ft (80 cm) cable length
Weight:	3.2 oz. (90 g)



*Above is a closeup of the SC-IRDA Interface mounted in an enclosure compression fitting. To communicate with the datalogger, point the PDA's IRDA sensor at the SC-IRDA sensor head exposed on the outside of the enclosure.*