



WORLD-BEAM™ Fiber Optic Sensors.

An affordable solution for use with low-cost plastic fibers.

The new fiber optic WORLD-BEAM is used with Banner plastic fibers, offering hundreds of affordable solutions. These inexpensive fibers can be easily cut to length during installation using the cutting device supplied with each fiber. They bend easily to fit precisely where you want them. They are also extremely flexible; in fact, coiled versions are available for use in a variety of applications requiring articulated or reciprocating motion.



The broadest line of fibers.

Banner fiber optics allow you to “pipe” light into otherwise inaccessible or hostile environments. Banner has the broadest, most readily available line of fibers in the world. Choose from a huge selection of standard fibers in virtually all shapes and sizes. Custom fibers can also quickly and easily be designed for your unique applications, and built to your exact specifications. Choose from two general styles: individual fibers, used in pairs in the opposed sensing mode, and bifurcated fibers that emit and receive light signals in the same assembly.

Versatile fiber interface.

The WORLD-BEAM accommodates large core 0.75 mm, 1.0 mm and 1.5 mm (.03", .04", and .06") and small core 0.25 mm and 0.5 mm (.01" and .02") polyethylene jacketed plastic fibers. Banner's unique locking mechanism holds fibers securely in place.



Six WORLD-BEAM cable & connector options fulfill all wiring requirements.

All WORLD-BEAM sensors are now available with a variety of wiring options to make them easy to install in any application. You can choose short or long cable pre-wired sensors, or models with quick disconnect (QD) options. Pigtail QDs feature a 15 cm (6") cable with either a Pico-style or Euro-style connector. You can also specify either a Pico-style or Euro-style integral QD connector on most models. Different cable lengths and custom options are available on request.

To specify:

Cable Style	Model Number Suffix	Illustration
Pre-wired 1.8 m (6') cable	use standard model number	Pre-wired cable 1.8 m (6')
Pre-wired 9 m (30') cable	add W/30 to standard model number	Pre-wired cable 9 m (30')
Pigtail QD, Pico-style, 4-pin, 15 cm (6")	add Q to standard model number	15 cm (6") Pico-style Pigtail QD
Pigtail QD, Euro-style, 4-pin, 15 cm (6")	add Q5 to standard model number	15 cm (6") Euro-style Pigtail QD
Integral QD, Pico-style, 4-pin*	add Q7 to standard model number	Integral Pico-style Connector*
Integral QD, Euro-style, 4-pin*	add Q8 to standard model number	Integral Euro-style Connector*

* Integral QD not available on Expert™ and Adjustable field models.

Mating cables, 2 m (6.5') for QD sensors:

Straight Pico-style, Model PKG4-2. Part number 32438.

Right-Angle Pico-style, Model PKW4-2. Part number 34462.

Straight Euro-style, Model MQDC-406. Part number 45136.

Right-Angle Euro-style, Model MQDC-406RA. Part number 47104.