

Starflow Accessories



To simplify use and get the most out of the Starflow ultrasonic Doppler instrument, the following components can be added.



6122C Microwire serial to 4-20mA Interface

The Microwire serial to 4-20mA Interface converts a serial signal to a 4-20mA output. Any microwire compatible 3-wire synchronous serial signal channel can be used as an input. It supports two 16-bit resolution channels. The Starflow supports microwire as an alternative use of the SDI-12 channel. This enables the connection of any measured channel to a 4-20mA transmitter.



6526C-LCD HSI0 LCD Display Unit

The Starflow 6526C-LCD LCD display unit interfaces with the 6526 Starflow ultrasonic Doppler velocity, depth and flow Instrument. It displays the values obtained from the most recent scan. The Starflow's scheme defines which parameters will be displayed on screen. The 6526C-LCD is packaged in a compact weatherproof polycarbonate enclosure, fitted with pre-wired connectors. These connectors enable direct connection to a Starflow and computer. External power is supplied using a 6603D-SDI cable.



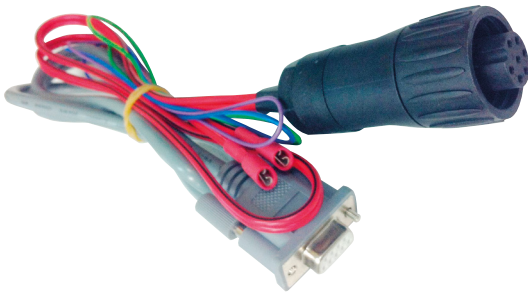
6702S and 6702-LCD Weatherproof Enclosures

The 6702S and 6702S-LCD weatherproof polycarbonate enclosures contain mounting hardware for a 12V 12Ah sealed lead-acid battery and a drying tube 6603DT. There are three SQL connectors mounted in the base of the enclosure. These are wired to enable connection to the Starflow, PC and solar panel/external power. The 6702S-LCD has an LCD mounted on the hinged lid of a large weatherproof polycarbonate enclosure. It displays the values of parameters obtained from the most recent scan as defined by Starflow scheme. The LCD unit communicates with the Starflow via the HSI0 bus.



6603DT Desiccant Drying Tube

To keep the vent tube in vented cable dry, a drying tube 6603DT containing "silica-gel" desiccant is connected to the Starflow cable using special tygon tubing. The drying tube needs to vent to the atmosphere. Drying tube should be replaced when silica-gel turns pink - (normally blue)

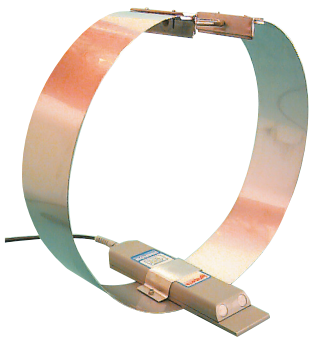


The Starflow adaptor cable 6603D-SDI is communication cable that allows you connect Starflow to a PC and a 12V battery.

Stainless Steel Mounting Bracket Model 6526M-2 is a clamp used to secure a Starflow instrument into a channel or a pipe. The bracket saddle locks the instrument into its correct position.



The Model 6705 expanding band kit allows you to install a Starflow instrument in pipes of different sizes. The band is flexible enough to fit irregular shapes such as ovoid sections. All components are made from stainless steel and the band fittings are 100mm wide to match the 6526M-2 mounting bracket.



6122C-S SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	ABS IP65 Sealed Enclosure
SIZE:	115mm x 65mm x 56mm (LxWxH)
WEIGHT:	200 grams
OPERATING TEMPERATURE:	-20°C to 60°C. Not affected by humidity
ELECTRICAL SPECIFICATIONS	
RESOLUTION:	16 bits, ±0.0015%
ACCURACY:	±0.015%
INPUT:	16-bit serial
OUTPUT:	4-20mA
INPUT CONNECTOR:	7 pin SQL female connector
OUTPUT CONNECTOR:	7 pin SQL male connector, 2 PG7 Glands
POWER:	11VDC to 18 VDC 3mA, plus 4 -20mA per channel

6702S AND 6702S-LCD SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	Polycarbonate Enclosure IP66/67
SIZE:	280mm x 190mm x 130mm (LxWxH)
WEIGHT:	1kg
ELECTRICAL SPECIFICATIONS	
CONNECTORS:	1 x male 7 pin SQL PC connection 1 x female 7 pin SQL Starflow connection 1 x male 4 pin SQL External Power connection
POWER SUPPLY:	8 to 18VDC @ 20mA
SERIAL SIGNAL:	HSIO Standard Synchronous Protocol and RS232
SERIAL PROTOCOL:	ASCII text special commands for formatting
DISPLAY FORMAT 6702S-LCD ONLY:	Four lines x 16 characters
LCD TYPE:	Supertwist (STN), yellow-green, no backlight
OPTIMUM VIEWING:	6 o'clock

6526M-2 SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	0.9mm 316 stainless steel
DIMENSIONS:	100mm x 110mm (LxWxH)
SECURING HARDWARE:	Four sets of M4 x 12 Machine screws and nylocks

6705 SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	316 stainless steel
DIMENSIONS AND WEIGHT:	0.5 kg Model 6705A Small expanding 100mm to 150mm clamp
	0.6 kg Model 6705B Large expanding 150mm to 250mm clamp
	1.2 kg Model 6705D 1800mm long band segment, 100mm wide
	0.2 kg Model 6705F Band joiner 50mm x 100mm