



# Maxtek SF-120

## Combo Sensor Head/Feedthrough

### UNIQUE COIL DESIGN SIMPLIFIES INSTALLATION

The SF-120 is designed to facilitate easy installation and eliminate the need for brazing. The coiled design of the water cooling tubes allows the sensor head to be bent in any direction. The internal length is expandable from 25 cm (10") to 76 cm (30"). The electrical connection from the crystal head to the feedthrough is made with a 30" Microdot® coaxial cable.

The SF-120 Combination Sensor Head/Feedthrough is supplied with eleven 6 MHz, gold crystals (one installed) and a 30" coaxial cable. Additional sensor crystals are available (Gold, Silver and Aluminum boxes or carousels).

#### FEATURES AT A GLANCE

- Easy installation
- Expandable length
- 2.54 cm (1") bolt feedthrough
- Cool Drawer™ crystal holder



*Cool Drawer™ crystal holder*

## SPECIFICATIONS

Materials	304 CRES, Teflon®, Ceramic, Beryllium Nickel, Viton®
Finish	Stainless steel, gold plated Cool Drawer™
Cooling	Water 0.2 GPM using 1/8" O.D. tube
Temperature	Operational environment to 300°C with water cooling or 160°C without
Electrical Connection	30" miniature coax (S-50) cable standard (60" available)
Crystal	Industry standard 0.550" diameter
Coiled Tube Expansion Range	25 cm (10") to 76 cm (30")
Mounting	1.015" ±0.010" diameter aperture

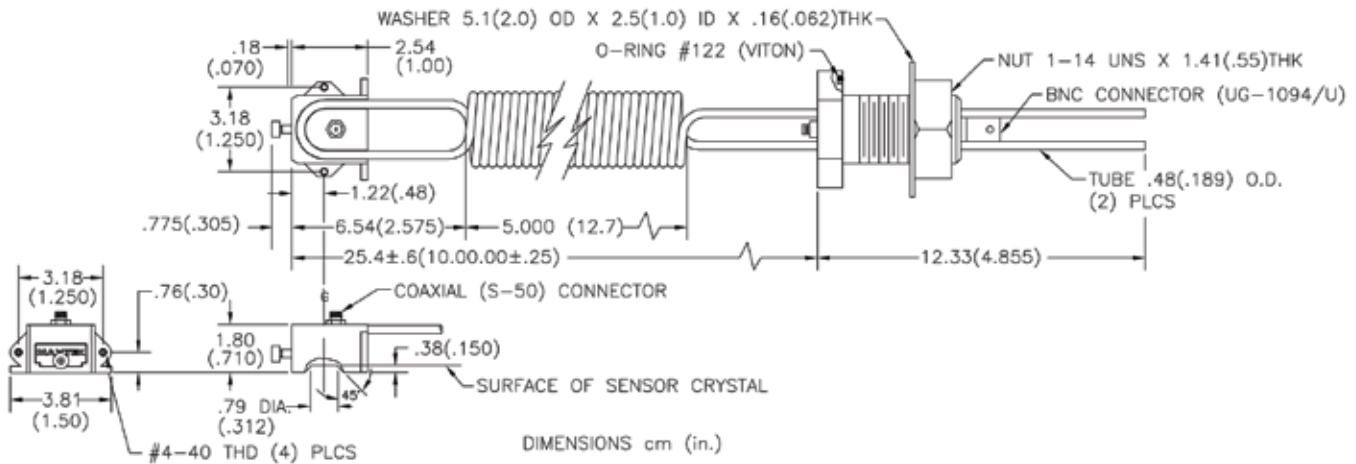
## ORDERING INFORMATION

Each sensor head includes: (1) SF-120, package of 10 each SC-101 crystals

Model #	Part #	Description
SF-120	150201	Single sensor head with coiled water tubes, 2.54 cm (1") bolt feedthrough. Crystal face is parallel to the water tubes. No brazing required.

Each sensor head kit includes: (1) SF-120, (1) SO-100 oscillator, (1) 10' BNC cable, (1) 6" BNC cable, (1) 30" Microdot® cable and (1) package of 10 each SC-101 crystals

SF-120 Kit	150902	Single sensor head with coiled water tubes, 2.54 cm (1") bolt feedthrough. Crystal face is parallel to the water tubes. No brazing required.
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