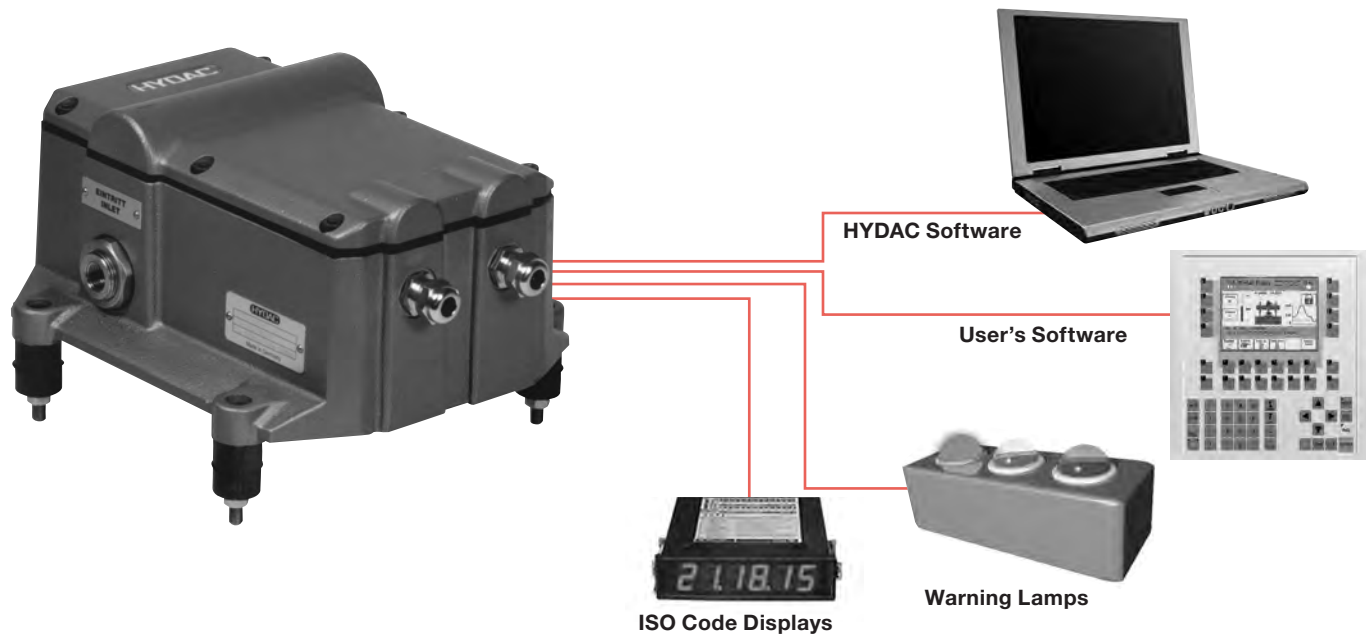


CS 2000 Series Contamination Sensors



Description

The CS Contamination Sensor is a solid contamination sensor for detecting and monitoring solid contamination in hydraulic, lube and fuel oil. The CS Sensor continuously monitors the condition of the fluid and transmits the information to a variety of devices in real-time!

The data can be transmitted in various formats, allowing the user to display contamination levels, program alarms and/or warnings, activate or de-activate auxiliary filtration loops, or examine via HYDAC software.

The Sensor technology used is the same as that in our portable FCU series contamination monitors and has been proven as a successful means of detecting solid contamination particles.

The HYDAC sensor concept provides a distinct durability advantage. The CS Sensor is not sensitive to vibration, optical system contamination, pressure pulsations, fluid color, turbidity, or continuous high fluid temperatures.

Applications

This unit can be applied to any hydraulic system in which contamination monitoring is critical. It is designed for permanent installation in the system. Common applications of the CS Sensor include:

- Lube-oil systems
- Paper mills
- Power generation plants
- Steel mills
- Flushing Process Control
- Fuel oil systems

Features

- Online installation
(pressures up to 5000 psi w/ external relief)
- 4-bolt cushioned mounting
- Weight - 8.8 lbs (4 kg)

Data Output To

- PC - via HYDAC software (included)
- Programmable logic controllers (PLC)
- Warning lamps via relays
- Local ISO class display (customer supplied)
- 4 to 20mA or DIN-Messbus or Ethernet

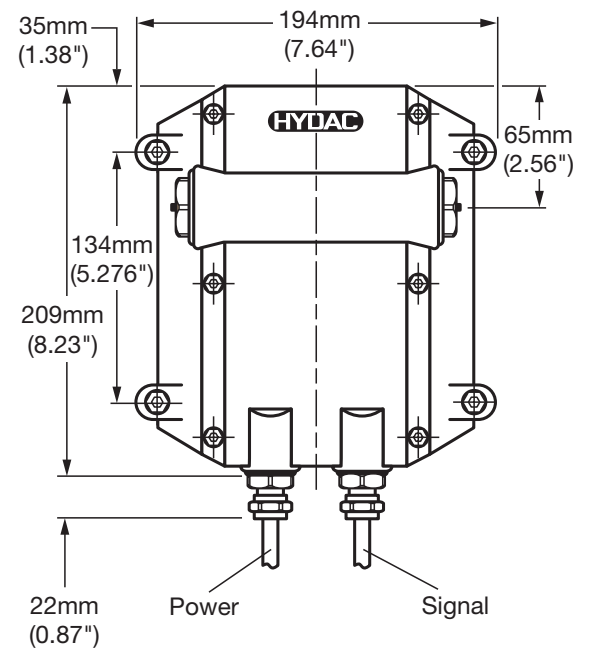
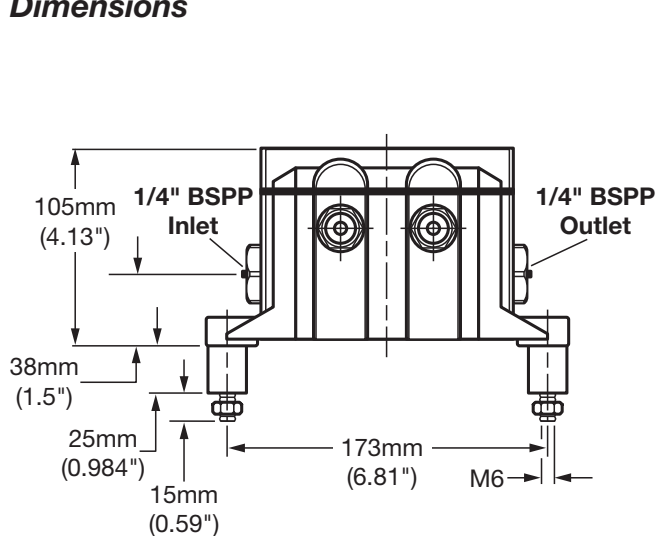
Model Code

		CS	21	3	0	- 1	- U	/ - 1	- 2
Series	CS	= Contamination Sensor							
Model	21	= 3 digit ISO 4406 Code (>2/>5/>15)							
	22	= 3 digit ISO 4406 Code (>4/>6/>14)							
Enclosure	3	= Stationary							
Fluids	0	= Standard mineral fluids and mineral based synthetics							
	1	= Phosphate esters (e.g. Skydrol, Hyjet)							
Modification Number	1	= Standard							
Supply Voltage	U	= 24 VDC							
Pressure Range	1	= 280-560 psi (for pressures from 560 to 5000 psi see below*)							
	2	= 70-210 psi							
	3	= 28-140 psi							
Output	0	= RS232 (DIN-66348 protocol) (enables easy communication with Hydac CoCoS Software)							
	1	= 4 - 20 mA							
	2	= DIN-Messbus (enables communication with HYDAC software)							
	X	= Other							

* For pressures above 560 psi - Reduce the pressure to between 280 and 560 psi. Please contact HYDAC for details.

Model Codes Containing RED are non-standard items – Minimum quantities and longer lead times may apply - Contact HYDAC for information and availability

Dimensions



Dimensions are for general information only, all critical dimensions should be verified by requesting a certified print.