



Hydraulic Power Pack Solutions

online webinar



Questions & Answers



Presenter

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Host

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ifm – close to you!



Q & A

Please elaborate on the humidity sensor installation position.

If the oil in the tank is not sufficiently mixed, it is possible that the free water settles on the bottom. In this case two layers form: the upper one consists of oil and the lower one of free water. Please follow the ifm guidelines with regards to installation. The probe must be completely covered by the measured medium and be below the minimum oil level in any operating situation.

What measurement value is received from the humidity sensor?

4 – 20mA for 0 – 100% Relative Humidity

4 – 20mA for temperature range -20 – 120 Celsius

What temperature range is the ifm temperature sensors scaled?

On the displayed unit the range is -40 to 300 Celsius.

Please explain the difference between a 4-20mA output and an IO Link output.

4-20mA is a 2-wire analogue signal that has been the industry standard for several years. IO-Link is a 3 wire pure data signal that provides the measured signal from the measuring element without any losses onto your PLC. On the unscreened cable that is immune to electrical interference we can also transmit 2 measured values such as flow and temperature as well as diagnostics and configuration data to and from the sensor.

Do you offer an independent control system with a local display for hydraulic packs?

Indeed, ifm electronic has 3 different options available. This can be achieved by using Asi, the R360 mobile controllers as well as IO-Link

What is the difference between the general vibration ISO standard and condition monitoring?

General vibration monitors in the Frequency range of 10 – 1000 Hz Basic as per ISO 10816 standards where condition-based monitoring is much more in depth. Frequency and spectrum analysis is performed in depth to pinpoint specific conditions on a machine such as unbalance, gear mesh quality, alignment etc. It is used to monitor the overall condition of a machine using a combination of variables.



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