





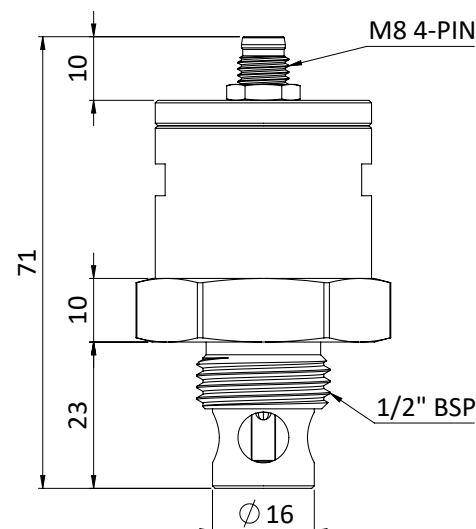
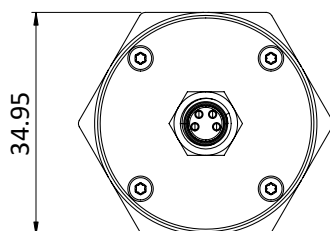


# COMPACT RH SENSOR

Humidity Sensor - moisture in oil  
**FT-RH485**

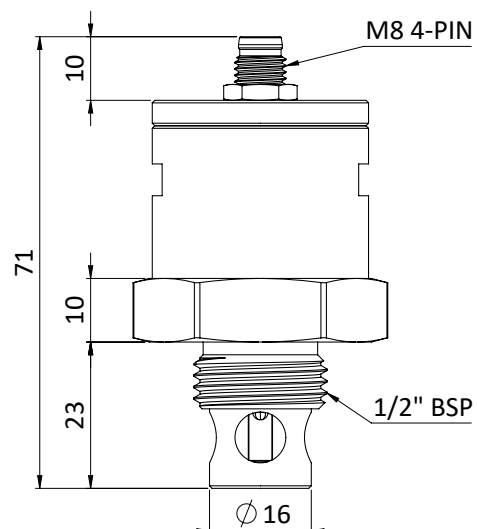
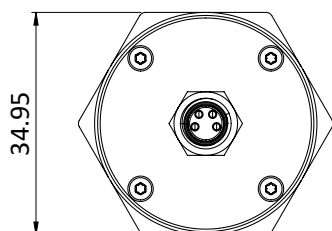


-  RS485 serial and Modbus outputs
-  Low cost solution
-  Can alert to the presence of free water
-  PPM look up possible
-  IP67 rated
-  Online detection of water in hydraulic oil, lubrication fluids and diesel fuels

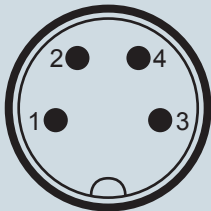


## Humidity Sensor **FT-RH485** - TECHNICAL INFORMATION

Humidity range	0-100% humidity range (non-condensing).
Operating temperature	-20 to 80°C (-4 to 176°F)
Measuring Accuracy	1% RH, 0.1°C
Values	Values for RH and temperature displayed to 2 decimal places.
Operating pressure	10 bar
Compatibility	Compatible with mineral, synthetic and bio oils.
Wetted materials	Aluminium (anodised), polyurethane resin, gold (ENIG), tinned solder, CuP-SIL, epoxy resin.
IP Rating	IP67
Power supply	7-28VDC
Power consumption	0.72W (60mA @ 12V)
Output	RS485 Serial & Modbus
Connections	Electrical – M8 4-pin. Fluid – 1/2" BSPP
Weight	TBC
Additional feature – Alerts to the presence of free water to prevent long term exposure and sensor damage (will show 101% RH).	



### Pin Connections

M8x1, 4 pole	Pin	Outputs
	1	+VE
	2	0V
	3	RS485-A
	4	RS485-B

### Accessories - ADDITIONALLY ORDERED

Sensor cable	Order code xxxx	M8x1 4-pin sensor cable, 2m long
Sensor manifold block	Order code xxxx	Aluminium manifold block, 1/4" BSPP ports