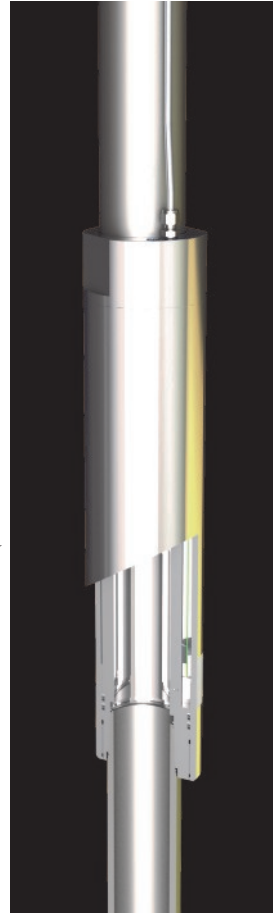


# ADVANCED DOWNHOLE MONITORING LLC

Advanced Downhole Monitoring is an innovative and adaptive company that utilizes unique and inventive sensor designs to provide clients with their downhole monitoring requirements. ADM sensors are built with a strong emphasis on reliability and streamline design. ADM excels at surpassing client expectations with valued relationships and superior products.



Flow-Thru Sensor (FTS)

Visit us at: [www.admsensors.com](http://www.admsensors.com)

## Down Hole Sensor

### Standard Design Features

ADM's flow-through sensors provide critical monitoring of well-bore and production parameters. ADM Sensors are offered in multiple tubing sizes with full drift ID and can be ran in multiple well casing sizes. Sensor to tubing connections are EUE Box. Monitored parameters include: intake pressure, intake temperature, tubing pressure with temperature, and dual axis vibration. Downhole data is transmitted to the surface via an instrument cable secured to the production tubing. Data is updated in multiple rates for continuous monitoring permitting operators to optimize production while decreasing costs and extending the longevity of the lifting equipment. ADM sensors are accurate, repeatable, and built tough to withstand harsh oilfield environmental conditions. ADM sensors are available in carbon or stainless steel and are rated for continuous 160 °C operations.

### ADM Sensor Mechanical Specifications

Parameters	FTS287 Single/Dual	FTS350 Single/Dual	FTS450 Single/Dual	FTS550 Single/Dual
Length (in)	20.87	21.51	24.57	28.75
Inside Diameter	2.441	3.068	3.958	4.951
Outside Diameter	4.445	5.125	6.790	7.250
Weight (lbs)	54-55	66-68	80-82	93-94
Body Material	Carbon or Stainless Steel	Carbon or Stainless Steel	Carbon or Stainless Steel	Carbon or Stainless Steel

### ADM Sensor Configurations

Sensor Type	Pump Intake Press.	Pump Intake Temp	Vibration X and Y Axes	Tubing Press.	Tubing Temp
Single	X	X	X		
Dual	X	X	X	X	X

## ADVANCED DOWNHOLE MONITORING

### Surface Display

#### Benefits and Options

ADM displays are offered in panel mount or standalone IP65 enclosures with expanded I/O and memory options. Displays have a back lit LCD with configurable alarms, trips, and a RS 232/485 Modbus communication port. ADM displays can be configured utilizing TeraTerm software, permitting the end user to customize their downhole, surface, and SCADA system requirements.



#### ADM Sensor Measurement Specifications

Parameters	Range	Resolution	Accuracy	Data Rate
Pump Intake Pressure	0 to 5800 PSI (400 Bar)	0.1 PSI	+/- 0.1% FS	1 sec
Pump Intake Temperature	-20 to 320 F (160 C)	0.1 C	+/- 1% FS	1 sec
Vibration (X & Y)	0 to 10 G	0.01 G	+/- 1% FS	1 sec
Tubing Pressure	0 to 5800 PSI (400 Bar)	0.1 PSI	+/- 0.1% FS	1 sec
Tubing Temperature	-20 to 320 F (160 C)	0.1 C	+/- 1% FS	1 sec

### Optional Solar Power Package

#### ADM Sensor Solar Advantage



ADM sensors have the unique ability to operate in remote locations using solar power. ADM's solar package design enables the sensor and surface unit to run continuously without the use of an external power source.

# ADVANCED DOWNHOLE MONITORING LLC

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## MISSION:

Provide customers with monitoring solutions that are energy efficient and data driven.

Create quality relationships through development of market demanding technology.

Provide reliable, confident products and services at competitive value.

Visit us at: [www.admsensors.com](http://www.admsensors.com)

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