

## High tech miniature pressure sensors for various applications

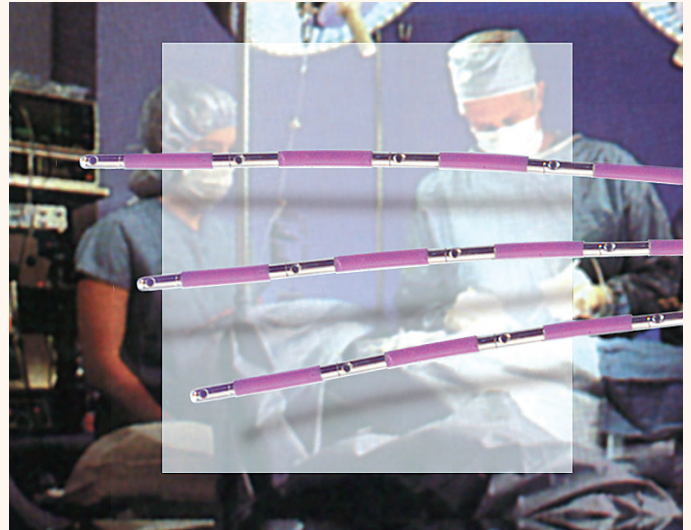
Ø 2...6 mm

# KELLER special sensors

## Catheter

### Medical pressure sensor

Medical catheter for a wide range of applications in the field of research. Various sizes (4F to 8F) and a modular design allow any arrangement of measuring cells.



## Tip sensors

### Miniature pressure probe

Designed for measuring flow rate and ram pressure in pipework. The probe can be advanced a number of metres into tight canals thanks to dimensions ranging from  $\varnothing$  1,33 mm to  $\varnothing$  2,67 mm and a highly flexible cable. Suitable for liquid and gaseous media.



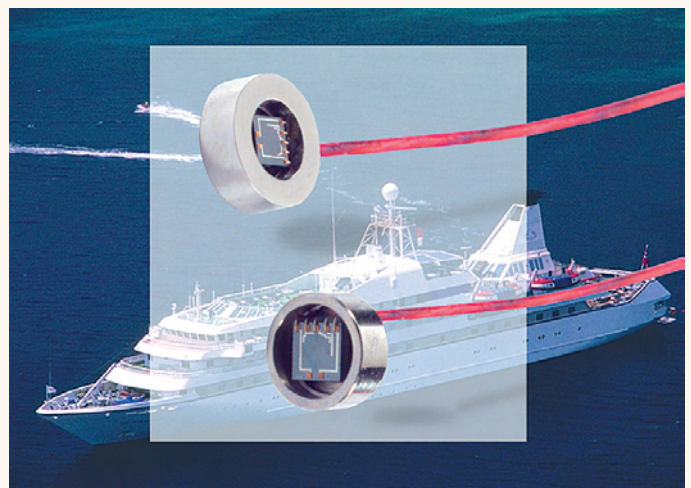
## Series 2mi

### Miniature pressure sensor

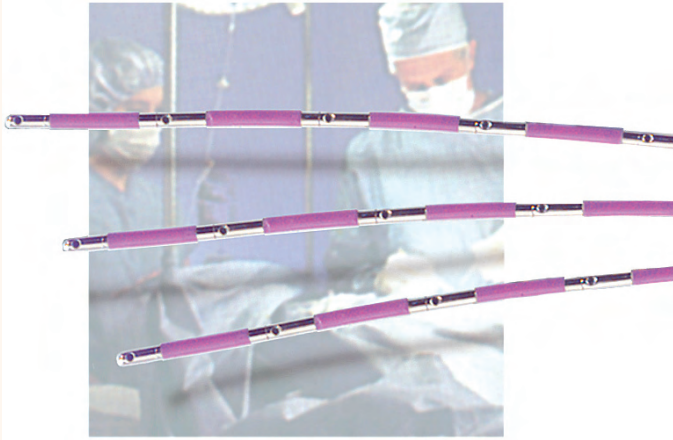
Developed for measuring hydrodynamic and aerodynamic pressures. A silicone drum protects the measurement cell from the influence of vibrations and fast acceleration. Robust housing ( $\varnothing$  4,5 x 1,9 mm).

Typical applications: turbine and wing profile measurements.

Various designs, pressure range 1...1000 bar.



# Catheter pressure sensors



## Special features

- Robust measuring cells; no damage sustained through touch or fall.
- No distortion of the signal through adjacent vessel walls or insertion.
- Outstanding measuring cell stability.
- Enables quick measurements after a switch-on period of 30 seconds as well as long-term monitoring.
- The catheter's modular design enables virtually unlimited measurement cell arrangements and the use of your preferred catheter material.

Range	+/- 400 mm Hg	
Maximum pressure load	5000 mm Hg	
Sensitivity	5 $\mu$ V/V/mm Hg +/- 1%	
Power supply	5 V +/- 50% DC/AC	
Zero point	< +/- 40mm HG	
Temp. coeff. of sensitivity	typically	0,05%/K
Temp. coeff. of the zero point	typically	0,1 mm Hg/K
	maximum	0,2 mm Hg/K
Non-linearity and hysteresis	< 0,5% FS	
Error current	< 2 $\mu$ A	
Insulation	> 300 M $\Omega$	
Compensated temperature range	20 °C to 40 °C	
Bridge resistance	3,5 k $\Omega$ nominal	

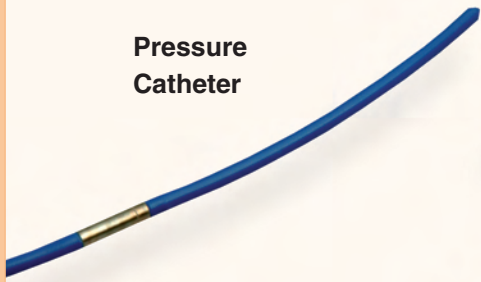
## Standard Specifications...

Size	Diameter	Possible number of pressure sensors
4F	1,33 mm	1
5F	1,67 mm	2
6F	2,00 mm	3
8F	2,67 mm	6

Unique specimens. Made by hand to your specifications.

We specialise in catheters for  
**research applications**

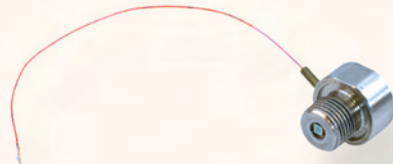
Pressure  
Catheter



2 MI PAA 153



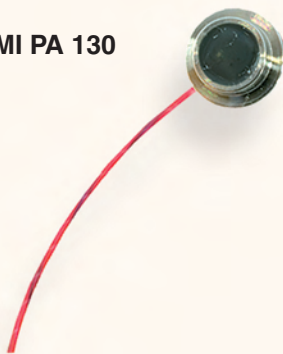
2 MI PA 100



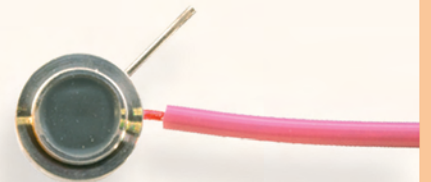
2 MI PA 130



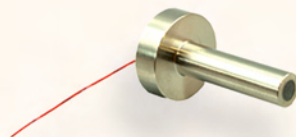
2 MI PA 130



2 MI PD MV 153



2 MI PA 180



2 MI PA 210



2 MI PA 130



2 MI PA 100

