

**FEATURES:**

- Material in contact with fluid AISI 316L
- Compactness
- Permitted temperature range -40..+120°C
- Compensate temp. range 0..+70°C



**TECHNICAL DATA:**

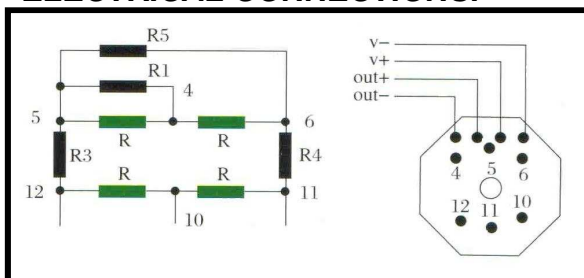
- TYPE: gauge – absolute – differential
- EXCITATION: <= 10VDC <=2,0Ma
- INPUT IMPENDANCE: 3Kohm.....6Kohm
- OUTPUT IMPENDANCE: 2,5Kohm.....6Kohm
- INSULATION RESISTANCE:>= 100Mohm (50VAC) >=100Mohm (50VAC)
- INSULATION VOLTAGE: 500VDC 500 VAC (VDC or RMS AC between case and electrical connections)
- PROOF PRESSURE: 3 x FS or 50 Mpa whichever is less
- STATIC LINE PRESSURE (HT20 only): 30 bar
- MEDIA COMPATIBILITY: fluids gases compatible with 316L SS
- RESPONSE TIME: <= 1millisecond (10% to 90%)
- OPERATING TEMP. RANGE: -40°C...+120°C
- COMPENSATED TEMP. RANGE: 0°C...+70°C
- STORED TEMP. RANGE: -40°C...+125°C

**PRESSURE RANGE:**

MODEL	HT12	HT13	HT19 HT30 HT24 HT26 HT22	HT20
<b>PRESSURE</b>	35kPa(5Psi) 70 KPa(10Psi) 100 KPa(15Psi) 200 KPa(30Psi) 350 KPa(50Psi) 700 KPa(100Psi) 1MPa(150Psi) 2MPa(300Psi)	3,5 MKPa(500Psi) 7 MPa(1000Psi) 20MPa(3000Psi) 35MPa(5000Psi)	35kPa(5Psi) 70 KPa(10Psi) 100 KPa(15Psi) 200 KPa(30Psi) 350 KPa(50Psi) 700 KPa(100Psi) 1MPa(150Psi) 2MPa(300Psi) 3,5MPa(500Psi) 7MPa(1000Psi)	35kPa(5Psi) 70 KPa(10Psi) 100 KPa(15Psi) 200 KPa(30Psi) 350 KPa(50Psi) 700 KPa(100Psi) 1MPa(150Psi) 2MPa(300Psi)

PERFORMANCE AND PARAMETER									
	HT12	HT19 HT30 HT24 HT26 HT22			HT20	HT13			
<b>Nonlinearity precision</b>									
0 ÷ 70 Kpa	±0,15	±0,3	±0,15	±0,3	±0,15	±0,3			% Span. BFSL
0.07÷7 Mpa	±0,15	±0,3	±0,15	±0,3	±0,15	±0,3			% Span. BFSL
7÷35MPa			±0,2	±0,3			±0,2	±0,3	% Span. BFSL
<b>Repeatability</b>	0,05	0,1	0,05	0,1	0,05	0,1	0,05	0,1	% Span. BFSL
<b>Hysteresis</b>									
<b>Output performance</b>									
<b>Zero Output</b>	0±1	0±2	0±1	0±2	0±1	0±2	0±1	0±2	mV DC
<b>Span Output</b>	100±10	100±30	100±10	100±30	100±10	100±30	100±10	100±30	mV DC
<b>Zero Temperature error</b>									
0 ÷ 70 Kpa	±0,5	±1	±0,5	±1	±0,5	±1			% Span. In ref., to 25°C
0.07÷7 Mpa	±0,5	±0,8	±0,5	±0,8	±0,5	±0,8			% Span. In ref., to 25°C
7÷35MPa			±0,5	±0,8			±0,5	±0,8	% Span. In ref., to 25°C
<b>Span temperature error</b>									
0 ÷ 70 Kpa	±0,5	±1	±0,5	±1	±0,5	±1			% Span. In ref., to 25°C
0.07÷7 Mpa	±0,5	±0,8	±0,5	±0,8	±0,5	±0,8			% Span. In ref., to 25°C
7÷35MPa			±0,5	±0,8			±0,5	±0,8	% Span. In ref., to 25°C
<b>Compesated temp. range</b>	0÷70°C								°C
<b>Operating temp. range</b>	-40÷120°C								°C
<b>Stored temp. range</b>	-40÷125°C								°C

### ELECTRICAL CONNECTIONS:

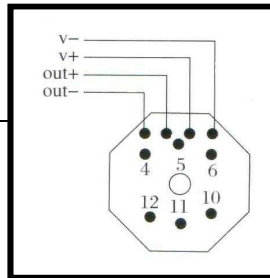


5 V+  
 6 V-  
 4 Out +  
 10 Out -  
 R Inductive resistance of silicon wafer  
 R1 , R3 , R4 , R5 compensatory resistance

Global Measurement Srl  
 Via Olona 183/N, 21013 GALLARATE (VA)  
 Tel: 0331/786999 Fax: 0331/213964  
[info@global-measurement.it](mailto:info@global-measurement.it) [www.global-measurement.it](http://www.global-measurement.it)

## MEASUREMENT REPORT

SN: 04113418 HT 19-0350  
ZERO  $0 \pm 1$  mV @ 1,5 mA  
SPAN 96.99 mV @ 1,5 mA  
NL  $\pm 0,07$  %  
TCZ 0,26% F.S  
TCSP -0.04% F.S



## MECHANICAL DIMENSIONS:

