

## شرکت مهندسی کیان کنترل آپادانا تولید کننده محصولات ابزار دقیق با برند آلتون



**KPT30** ▶  
ترانسیمتر فشار وکیوم و میلی بار

**KPT40** ▶  
ترانسیمتر فشار فلش دیافراگمی

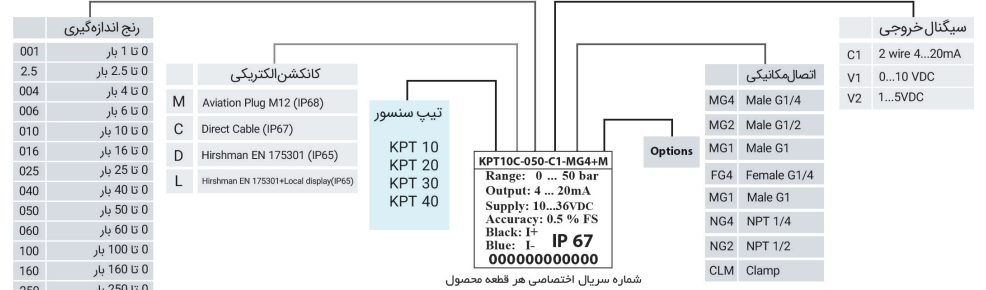
**KLH10** ▶  
ترانسیمتر ارتفاع هیدرواستاتیک  
<https://www.markazbargh.com/>

**KPT10** ▶  
ترانسیمتر فشار با هسته سرامیکی

**KPT20** ▶  
ترانسیمتر فشار با هسته استیل

**KPT20A** ▶  
ترانسیمتر فشار مطلق

## جدول کدگذاری قطعات Order Code Table



سیستم کدگذاری سنسورهای هیدرو استاتیک  
Hydrostatic Level Transmitter

KHL10	-	0250	250 mbar: 2500 mm H2O (2.5 mH2O)
		0600	600 mbar: 6000 mm H2O (6mH2O)
		1000	1000 mbar: 10000 mm H2O (10 mH2O)
		4000	4000 mbar: 40000 mm H2O (40 mH2O)



# ترانسمیترهای فشار آلتون

## ALTON Pressure Transmitters

<https://www.markazbargh.com/product-category/pressure-transmitter/>

ترانسمیتر فشرتر از جمله تجهیزات پرکاربرد ابزار دقیق است که برای اندازه‌گیری فشار گازها و مایعات در کنترل فرآیندهای صنعتی به کار می‌رود. ترانسمیترهای فشار آلتون در مدل‌های مختلف، جهت اندازه‌گیری فشار نسبی و مطلق سیالات (مایعات، گازها و بخارات) و همچنین مدل‌های مستغرق جهت اندازه‌گیری ارتفاع مایعات در مخازن به شرح زیر ارائه می‌گردد.



- مشخصات عمومی**
- مناسب برای سیالات خوردنده و معمولی
  - قابلیت تحمل فشار مازاد بر رنج اندازه‌گیری
  - برای اندازه‌گیری فشار مایعات، گازها و بخارات

- صنایع مرتبط**
- صنایع شیمیایی
  - تولید و توزیع انرژی
  - صنایع مکانیک
  - ماشین‌آلات صنعتی
  - کشتی‌سازی
  - تامین و توزیع آب
  - صنایع برودتی و حرارتی
  - صنایع نفت، گاز، پالایش و پتروشیمی

### جدول مشخصات انواع ترانسمیترهای ALTON

Type	Vacume	میلی بار / mbar		Bar												A Bar (Absolute)	بار مطلق									
		0 ... 1	0 ... 5	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20			0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125			
KPT10				0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 50	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125		
KPT20				0 ... 1	0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125	
KPT20A				0 ... 1	0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125	
KPT30				0 ... 1	0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125	
KPT40				0 ... 1	0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125	
KHL10				0 ... 1	0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125	
Accuracy (mbar)				0 ... 1	0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125	
Offset Accuracy (mbar)				0 ... 1	0 ... 2.5	0 ... 4	0 ... 6	0 ... 10	0 ... 16	0 ... 25	0 ... 40	0 ... 60	0 ... 100	0 ... 160	0 ... 250	0 ... 400	0 ... 600	0 ... 10	0 ... 20	0 ... 30	0 ... 40	0 ... 50	0 ... 60	0 ... 80	0 ... 125	
Sensor Material				Stainless Steel 316 L	Ceramic Diaphragm - Al2O3/96-3	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	
Overload Pressure (bar)				3.7	6	9	15	24	37.5	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
Burst Pressure (bar)				7.5	12	18	30	48	75	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	
Sensor Material				Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	Stainless Steel 316 L	
Gasket Material				PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	PPM (Viton)	
Supply Voltage				10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	
Signal Output				2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	2 Wire - 4 ... 20 mA (Option: 0...10 V ; 1...5V)	
Pressure Connection				Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)	Male G1/4 (Option: Male/Female - G1/4-NPT1/4,G1/2, NPT1/2, Clamp, Flange, ...)		
Process Temperature				-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	-15 ... 125 °C	
Ambient Temperature				-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	-25 ... +85 °C	
Long term Stability				±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	±0.25 % FS/year	
Temperature Drift				0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	0.02%FS/°C	
Electrical Connection & Protection				Aviation Plug M12 (P48)	Direct Cable (P47)	Hirshman EN 175301 (P46)	KHL10: Direct cable(P48)	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel	Connection Panel