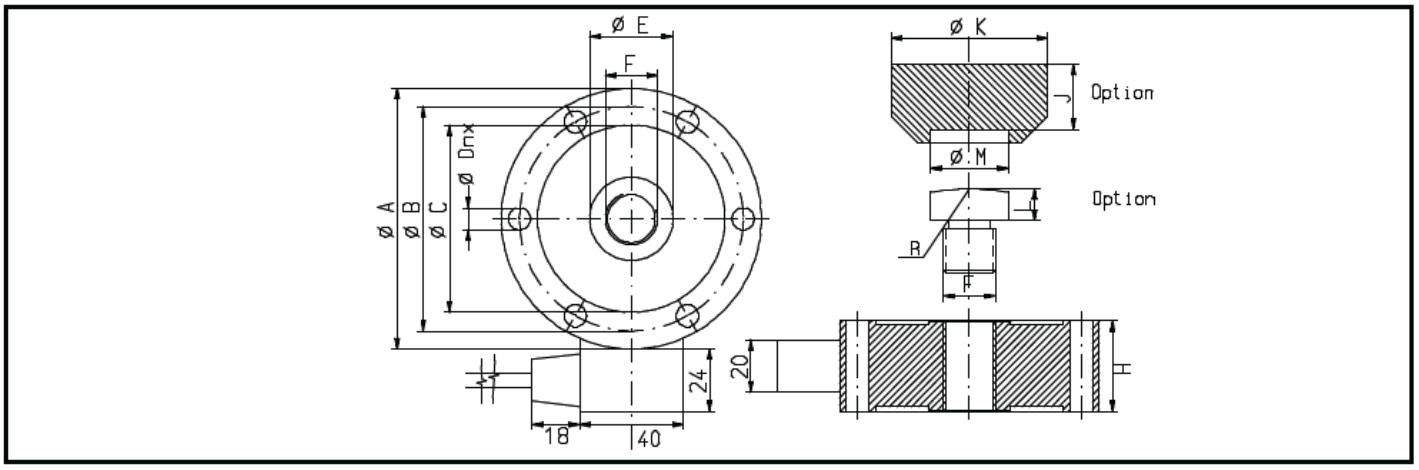
Model 301

测力传感器

- 不锈钢结构
- 全密封
- 高精度
- 动态应用

TesT 公司的301系列力传感器具有耐用、形变量小、耐腐蚀和适宜安装在任何位置的特点，可在静态和动态条件下，出色地进行拉力或压力测试。传感器结构紧凑，适合使用在空间有限的场合，例如装配力控制、快速压配和产品综合材料试验等应用。CAL 等级的传感器可作为标准传感器，用于质量管理系统。



Series		301		
Class		CAL	H	M
Nominal sensitivity	mV/V		2	
Sensitivity tolerance	%		≤ 0,1	
Nonlinearity	%		≤ 0,04	
Variation	%		≤ 0,05	
Combined error	%	≤ 0,03	≤ 0,05	≤ 0,08
Reference temperature	°C		23	
Nominal temperature range	°C		-10...+50	
Creep error after 30min	%	≤ 0,03	≤ 0,04	≤ 0,06
Creep error after 8 h	%	≤ 0,05	≤ 0,07	≤ 0,08
Temperature coefficient of the zero signal pro 10K im Nenntemperaturbereich	%	≤ 0,028	≤ 0,028	≤ 0,03
Temperature coefficient of the sensitivity per 10K within the nominal temperature range	%	≤ 0,024	≤ 0,024	≤ 0,025
Stock temperature range	°C		-20...+80	
Output resistance at reference temperature	Ω		350 ± 2	
Input resistance at reference temperature	Ω		400 ± 25	
Isolation resistance at reference temperature	GΩ		> 2	
Maximum input voltage	V		15	
Nominal range of input voltage	V		1....10	
Break load in reference to nominal load	%		≥ 300	
Max. allowance for dynamic load (range of oscillation according to DIN 50100) related to Nominal load	%		≥ 75	
Protection class			IP 67	

Range in kN / Dimensions in mm	5 / 10 / 20	50 / 100	200 / 300 / 500	1000
A	100	127	165	230
B	86	110	138	185
C	72	92	108	147
D	8,5	10,5	13	25
E	32	47	62	96
F	M20x1,5	M30x2	M42x3	M60x3
n	6	8	12	12
G	7,5	11,5	21	35
H	35	35	50	80
J	25	45	52	70
K	60	80	100	130
L	12	20	25	37
M	30	45	60	85
R	100	200	350	500