

Applications:

The washer load cell type 281 can be used in small and medium loading capacity weighing systems

Some applications are:

- Control weighing systems on aerial platforms
- Production machine
- Tension system
- Control weighing systems on lifting machine, etc.

Main features:

- Hose-proof (IP 66)
- Stainless steel
- Standard nominal load from 0,3 to 20 tons
- Atex certification

Nominal load:

t: 0,3-0,5-0,75-1-1,5-2-3-5-7,5-10-15-20-50

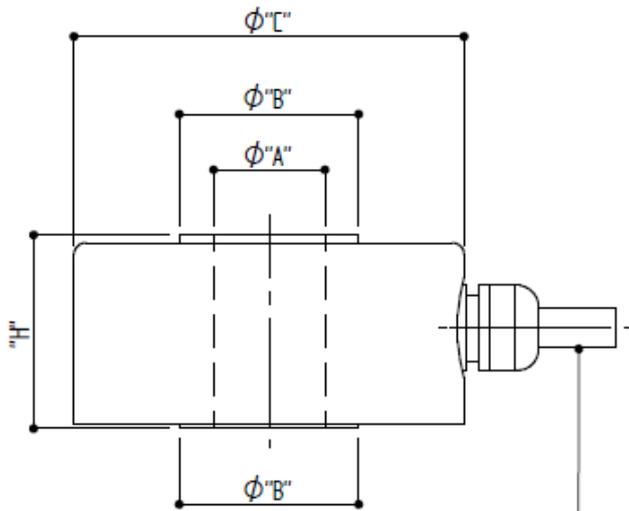


**WASHER
LOAD CELL
TYPE 281**

Specification according to VDI/VDE 2637

METROLOGICAL CHARACTERISTICS	Par.	Un.	
Combined error	Fcomb	± %Ln	0,800
Initial load	Ln	t	0,3 ÷ 50
Minimum load	Lp	%Ln	5
Maximum load	Ll	%Ln	130
Linearity	Flin	± %Ln	0,5
Hysteresis	Fu	± %Ln	0,1
Repeatability	Fv	± %Ln	0,1
Creep in 30'	Fcr	± %Ln	0,1
Nominal temperature range	Btn	°C	-10+40
Zero temperature drift (10 ÷ 40°C)	TKo	± %Cn	1
Output temperature drift (10 ÷ 40°C)	TKC	± %Cn	1
Thermal gradient		°K/h	< 5
ELECTRIC SPECIFICATIONS			
Nominal output	Cn	mV/V	1 ÷ 2
Nominal supply voltage	Bsu	V	1 ÷ 10
Maximum supply voltage	Usmax	V	12
Input resistance	Re	W	350±1%
Output resistance	Ra	W	350±1%
Insulation resistance @ 20V	Ris	MW	> 5000
Zero balance	Do	± %Cn	2
MECHANICAL DATA			
Breaking load	Ld	%Ln	> 250
Maximum side load	Llq	%Ln	10
Deflection	hn	mm	< 0.2
Cable lenght		m	5
ENVIRONMENTAL CONDITIONS			
Working temperature range	Btn	°C	-10+80
Storage temperature range	Bts	°C	-40+80
Protection			IP-67
Subject to change without notice			

**WASHER
LOAD CELL
TYPE 281**



CEI 2035 PUR SCHIEDED CABLE	
4X0.35 mm ² LENGHT 5m	
blue	+ supply
black	- supply
red	+ signal
white	- signal

TYPE	CAPACITY Kg	Ø "A"	Ø "B"	Ø "C"	"H"
281S19-10T	10.000	15	28	45	25
281-300K	300	16	23	50	
281-500K	500				
281-750K	750				
281-1T	1.000				
281-1,5T	1.500				
281-2T	2.000	30,2	43	65	
281-3T	3.000				
281-5T	5.000				
281-7,5T	7.500				
281-10T	10.000	30,2	51	70	
281S17-20T	20.000				
281S18-50T	50.000	50	66	88	
281S2-5T	5.000				
181S2-7,5T	7.500				
281-10T	10.000	53	66	88	
281-15T	15.000				
281-20T	20.000	50	73	95	
281-50T	50.000				
281S5-7,5T	7.500	56	66	88	
281S5-15T	15.000				
281S4-4T	4.000				
281S4-8T	8.000	60	73	95	
281S4-15T	15.000				
281S11-20T	20.000				