

# FSI series

2023/12/06

## Features



Aluminum alloy. Full bridge type.

Rated capacity : 19.61 N {2 kgf}~196.1 N {20 kgf}

## Specification

Specification name	Specification contents
Rated output	19.61 N{2 kgf}~196.1 N{20 kgf}
Safe overload	150 %R.C.
Rated output	-1.58 mV/V±0.158 mV/V ~ -2.14 mV/V±0.214 mV/V (See below)
Non-linearity	0.05 %R.O.
Hysteresis	0.05 %R.O.
Repeatability	0.05 %R.O.
Creep	0.15 %R.O./1 min
Creep recovery	0.15 %R.O./1 min
Excitation, recommended	10 V or less
Excitation, maximum	15 V
Zero balance	±1 mV/V
Input resistance	350 Ω±35 Ω
Output resistance	350 Ω±35 Ω

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Insulation resistance	1,000 MΩ or more (DC50 V) (between bridge and main body)
Temp. range, compensated	-10 °C~50 °C
Temp. range, safe	-10 °C~50 °C
Temp. effect on zero	1 %R.O./10 °C
Temp. effect on output	1 %LOAD/10 °C
Humidity protection	Zero balance shift after the following condition. (Condition: Temperature 40 °C, Humidity 95 %, Hour 24 hours)
Class of protection	IP00 or equivalent
Material of element	Alluminium alloy
Durability	1,000,000 times with rated load applied.

## Table of P/N

Parts No.	Rated capacity [N]	Rated capacity [kgf]	Weight(Approx. ) [g]	3D CAD files [STEP]	CAD files[DXF]
FSI-2K	19.61	2	5	<a href="#">FSI-2K.STEP</a>	<a href="#">fsi10k_2.dxf</a>
FSI-5K	49.03	5	7	<a href="#">FSI-5K.STEP</a>	
FSI-10K	98.07	10	7	<a href="#">FSI-10K.STEP</a>	<a href="#">fsi10k_3.dxf</a>
FSI-20K	196.1	20	10	<a href="#">FSI-20K.STEP</a>	<a href="#">fsi20k.dxf</a>