

Crane use

2023/03/22

Features



Suitable for tension force measurement such as crane wire rope.

Specification

Specification name	Specification contents
Rated capacity	49.03 kN {5 tf}~490.3 kN{50 tf}
Safe overload	300 %R.C.
Ultimate overload	500 %R.C.
Rated output	0.5 mV/V±0.005 mV/V
Non-linearity	0.5 %R.O.
Hysteresis	0.2 %R.O.
Repeatability	0.3 %R.O.
Excitation, recommended	10 V or less
Excitation, maximum	12 V
Zero balance	±0.025 mV/V
Input resistance	600 Ω±6 Ω
Output resistance	600 Ω±6 Ω
Insulation resistance	2 000 MΩ or more (DC50 V) (between bridge and main body)
Temp. range. compensated	-5 °C~60 °C

Crane use

2023/03/22

Temp. range, safe	-15 °C~75°C
Temp. effect on zero	0.1 %R.O./10 °C
Temp. effect on output	0.1 %LOAD/10 °C
Class of protection	IP64 or equivalent
Material of element	Alloy steel
Paint	Painted by epoxy resin (Only for cover), (Munsell 6GY3.5/2 half polished resemblance color)
Durability	1,000,000 times with rated load applied.

Table of P/N

Parts No.	Rated capacity [kN]	Cable	3D CAD files [STEP]	CAD files [DXF]	Specification sheet	Instruction Manual
CL-5T-B	49.03	φ14, 4-cores shielded 5 m cable directly attached. Cable end is separated with solder.	CL-5T-B.STEP	cl_5tb.dxf	No.KT51605-2_E	No.ENKT60249-1-H
CL-10T-B	98.07	φ14, 4-cores shielded 5 m cable directly attached. Cable end is separated with solder.	CL-10T-B.STEP	cl_10tb.dxf	No.KT51605-2_E	No.ENKT60249-1-H
CL-20T-B	196.1	φ14, 4-cores shielded 5 m cable directly attached. Cable end is separated with solder.	CL-20T-B.STEP	cl_20tb.dxf	No.KT51605-2_E	No.ENKT60249-1-H
CL-30T-B	294.2	φ14, 4-cores shielded 5 m cable directly attached. Cable end is separated with solder.	CL-30T-B.STEP	cl_30tb.dxf	No.KT51605-2_E	No.ENKT60249-1-H
CL-40T-B	392.3	φ14, 4-cores shielded 5 m cable directly attached. Cable end is separated with solder.	CL-40T-B.STEP	cl_40tb.dxf	No.KT51605-2_E	No.ENKT60249-1-H
CL-50T-B	490.3	φ14, 4-cores shielded 5 m cable directly attached. Cable end is separated with solder.	CL-50T-B.STEP	cl_50tb.dxf	No.KT51605-2_E	No.ENKT60249-1-H