

Force Sensor KR80 250kg

Item number: 892



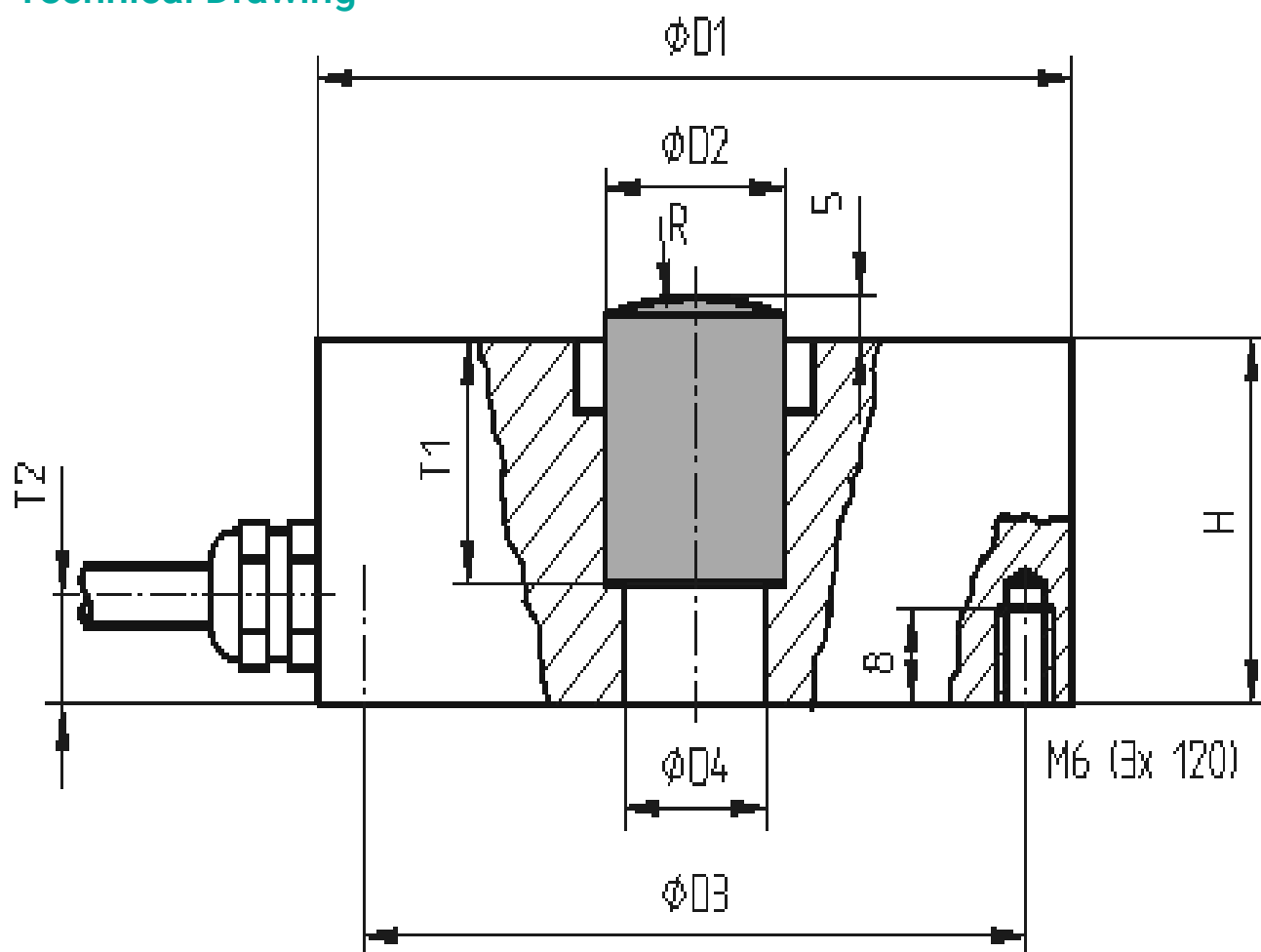
The load cell KR80 is a precision load cell in cylindrical design. It is hermetically sealed by means of welding and available in a calibratable design according to the European requirements OIML R-60 up to class C6. It stands out thanks to its particularly low measurement path of just 0.1mm.

The environmental protection is IP 66.

Force transmission is realised by a cylindrical load knob that has to be inserted into the hole ØD2.

Optionally pendular bases for applications in weighing technology can be installed.

Technical Drawing



Technical Data

Basic Data		Unit
Type	Wägezelle	
Force direction	Compression	
Rated force F _x	250	kg
Force introduction	Load button	
Operating force	150	%FS
Material	Stainless steel	
Dimensions	Ø80 mm x 25 mm... Ø95 mm x 35 mm	
Height	25	mm
Length or Diameter	80	mm
Breaking force	300	%F _n
Variants	0.25t... 10t	

Electrical Data		Unit
Input resistance	1110	Ohm
Tolerance input resistance	50	Ohm
Output resistance	1025	Ohm
Tolerance output resistance	25	Ohm
Insulation resistance	>5x10 ⁹	Ohm
Rated output	2	mV/V / FS

Accuracy Data

Unit

Environmental Data

Unit

Rated temperature range from	-10	°C
Rated temperature range to	40	°C
Operating temperature range from	-30	°C
Operating temperature range to	70	°C
Storage temperature range from	-50	°C
Storage temperature range to	80	°C
Environmental protection	IP66	

Abbreviation : RD: „Reading“; FS: „Full Scale“;1) The exact nominal sensitivity is indicated in the test report.

Pin Assignment

Channel	Symbol	Description	Wire color	PIN
	+Us	positive bridge supply	pink	
	-Us	negative bridge supply	grey	
	+Ud	positive bridge output	brown	
	-Ud	negative bridge output	white	

Pressure load: positive output signal.Shield- transparent.