Technical data sheet

2-axis spirit level
Item No. 4830/080 + 4860/060

Manufacturer:
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Product:
2-axis spirit level

Variant 4830:
Round 2-axis spirit level, diameter 80 mm made of stainless VA 1.4305 with flat, ground measuring surface, especially for simultaneous alignment of joists in both horizontal axes. Equipped with 2 ground and divided longitudinal vials. Housing recesses allow lateral reading of the vials, thus giving advantage at higher measuring points. The device is especially developed for bridge construction.

Variant 4860:
Round 2-axis spirit level, diameter 60 mm made of stainless VA 1.4305 with flat, ground measuring surface, especially for simultaneous alignment of horizontal surfaces in both horizontal axes. Equipped with 2 ground and divided longitudinal vials.
Housing recesses allow lateral reading of the dragonfly, thus giving advantage at higher measuring points.

Technical information:

Diameter	mm			60	80
Height	mm			14	17
Material				VA 1,4305	VA 1,4305
Weight of the spirit level	kg			0.22	0.42
Item No. 4830		0.60 mm/m	incl. plastic case		X
Item No. 4860		0.30 mm/m	for screwing on	X	

(X = available)

4830: sub-circuit of holes 64 mm for M4 cylinderhead screws, bore diameter 4.5 mm
4860: sub-circuit of holes 50 mm for M4 cylinderhead screws, bore diameter 4.2 mm

Special designs:
Magnets in the measuring surfaces

Accessories for item no. 4830/080:
Custom-fit, robust plastic case for storage (4830/080/KK)

Additional power optional:
Measuring protocol

Working/storage temperature:
For precision mechanical spirit levels, the working temperature is 20°C (+/-5 K) and the storage temperature is -40°C to +70°C.

Tolerances according to factory standard (not DIN 877):
0.6 mm/m: T_{zul} = 240 microns/m, DoE = 0.8 Scd
0.3 mm/m: T_{zul} = 120 microns/m, DoE = 0.8 Scd

T_{zul} permissible tolerance, DoE difference value on envelope, Scd scale divisions