





















In our catalogue you will find several pictograms beside the text description.
They should be helpful for a quick and easier explanation of the articles and their attributes.








Protection (IP-Code) acc. to DIN 40050 / IEC 60529 etc.

	Protected against solid particles $\varnothing > 1 \text{ mm}$
	Protected against solid particles $\varnothing > 1 \text{ mm}$ and drop water resistant
	Splash water resistant
	Drop water resistant
	Drop water resistant
	Dust and spray water resistant
	Dust and spray water resistant
	Dust and drop water proof
	Dust and spray water proof
	Dust and splash water proof
	Dust and jet water proof
	Water and oil tight (at times)
	Water and oil tight (permanent)
	Article is explosion proof
	Article with UL-certificate (american safety norm)




























Manufacturing process

	Article with laser engraved scale / graduation
	Article with etched scale / graduation
	Article with printed scale / graduation (Pad print)
	Hardened
	Stainless steel

Icons for data process

	RS232 data output by data cable
	Opto RS232 data output
	Proximity data output, inductive, contactless
	Data output by USB and data cable
	Data output by USB and Mini USB (compatible with Mitutoyo Digimatic)
	wireless communication (WiFi) possible
	Software on CD-Rom





















Several Icons

	Article-Number
	Reading / Resolution
	Weight in kg
	Cross section of the article
	Max. total accuracy(±)
	Repeatability (±)
	Individual measuring range
	Article dimension
	Measuring- and weighing-unit selectable or swichtable
	Corresponding battery included
	Corresponding battery included
	Corresponding cell battery included
	Corresponding cell battery included
	Corresponding lithium battery included
	Corresponding lithium battery included
	Accu
	Power supply
	Laser protection class
	Magnet power
	Induction
	Laser wavelength
	Shock proof
	Stand out
	Reading in mm and inch
	Reading in cm and inch
	Article with ABS/INC measuring system
	Article with ABSOLUTE measuring function














ATTENTION
We charge transport and packing costs
for articles marked with *!













About the Certification:





We are also able to quote all DIN measuring tools with a certificate to VDI/VDE/DGQ 2618. Measuring tools manufactured at works standard will be certificated according to this norm. The calibrations will be done by an external calibration laboratory. The delivery time for external calibration will take approx one week. Calibration orders can't be cancelled and calibrated goods are excluded from sale of return. Whether you expect a calibration by laboratory of your choice, we are unable to guarantee for passing. Compensation of refund of costs are also impossible.

Norms, accuracy-classes, regulations	
	Article fulfils the respective EC Class standard
	Article fulfils the respective EC Class standard
	Article fulfils the respective verification standard
	Workshop calibration certificate, inclusive
	Article with test certificate, marked with Ident.-No.
	Article with CE classification
	Directive of the European Parliament and of the council on measuring instruments
	Article with strengths tolerances acc. to DIN 2275
	Article with strengths tolerances acc. to DIN 2275
	Article fulfils the respective American standard
	Article fulfils the respective British standard
	Article fulfils the respective Japanese standard
	Article fulfills the respective DIN standard
	Article fulfils the respective DIN EN standard
	Article fulfils the respective ISO standard
	Article fulfils the respective DIN ISO standard
	Article manufactured acc. to tolerances of workshop standard
	Article with seal: "TÜV/Geprüfte Sicherheit (GS)"
	Article with seal: "TÜV"
	Article fulfils the respective norm standard

**Workshop or „DAkKS“-Calibration
(German Calibration Service)**
Calibrated instruments available for extra charge.
Please send us your specific inquiry.

Art of package for each article	
	Article will be packed in a carton box
	Article will be packed in a sturdy box (wood, plastic or aluminum)
	Article will be packed in a leatherette pouch
	Article will be packed in a PVC pouch
	Article will be packed in a sleeve
	Article will be sealed in a foil
	Article will be packed in a DIY plastic pouch with hanging card
	Article will be packed in a plastic film pouch with hanging card
	Article comes with wall hanging card
	Article will be packed in a blister packing
	Article will be packed a clear plastic box
	Carry bag, for outdoor use
	Article delivered on a pallet

Product specifications	
	Caliper jaw length
	Measuring internal dimension
	Caliper jaws (cross shape)
	Caliper jaws (knife shape)
	Depth Gauge
	Thumbroll
	Fine adjustment
	Thread pitch
	Measuring Inside
	Measuring outside
	Pointer rotation
	Setting gauge

Quality categories	
	Product for highest demands
	Industry and craft
	Craft
	DIY and training

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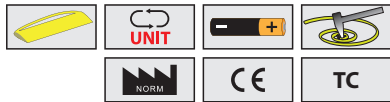
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



Spirit Levels, Angle Measurer Spirit Levels

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Electr. Digital Angle Measurer Spirit Level

- automatic calculation of single and double mitre angles without any other tools
- sturdy aluminium housing, with adjustable bevel blade
- large LCD display, digit height 12 mm, reading from all directions possible, with shiftable backlight
- rapid calculation and transfer of angles by means of memory function for frequently used angle dimensions
- power On/Off button, data hold function, shock resistant up to 1 m falling down
- precise mitre- and self-calibration function
- with 1x horizontal vial and 1x vertical vial
- with fixing screw for fixing the angle setting
- incl. 2x battery 1.5 V (type AAA, art.-no.: 60 9283)
- with carrying bag and operation manual









ART ^{NO}						
71 1020	0 - 225°	0.05°	0.1°	1 mm/m = ±0.057°	440 x 60 x 25	0.900

Electr. Digital Angle Measurer Spirit Level

NEW

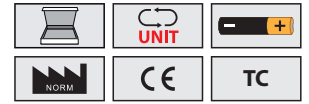
- for quick and accurate measuring of angular degrees, can also be used as a spirit level
- with 1x horizontal vial and 1x vertical vial
- sturdy aluminium housing, with adjustable bevel blade
- large LCD display with clear reading, digit height 12 mm
- On/Off and zero button, zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no. 20 02093), with operation manual



ART ^{NO}						
71 1025	0° - 228°	0.1°	0.2°	1 mm/m = ±0.057°	305 x 52 x 23	0.275

★★★★★ DIGI PLUS-LINE® Electr. Digital Light Alloy Spirit Level

- rugged, rectangular profile, made of light alloy
- large LCD display with clear reading, digit height 12 mm, with shiftable back light
- display always appears in the reading direction no matter which direction the device is rotated
- conversion between ABS- and INC-measurement
- calculation of ascend/descend, angle and deviation
- with self-calibration function
- power On/Off button, data hold function
- with 1 x horizontal vial and 1 x vertical vial
- incl. 2x battery 1.5 V (type AAA, art.-no.: 60 9283)
- with operation manual



ART N°					
71 2020	4 x 90°	0.1°	0.2°	416 x 50 x 21	0.308

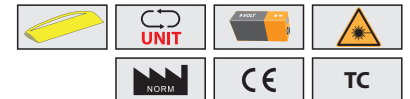
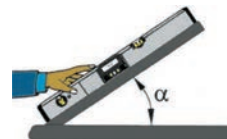
★★★★★ DIGI PLUS-LINE® Electr. Digital Light Alloy Spirit Level

- with laser pointer and electronical inclination measurement
- conventional vials are still best means of making horizontal and vertical measurements, an electronic system is the superior method for measurement of all inclinations, this model includes both in one
- with overhead measurement, display always appears in the reading direction no matter which direction the device is rotated

- rugged, rectangular profile, made of light alloy, with ribbed surface
- with milled measuring surfaces, rugged electronic housing
- large LCD display, digit height 10 mm, reading from all directions possible
- switchable display in angle-, percentage measuring- and tangent-mode
- On/Off button, data hold function and memory function
- range of laserbeam at day-light ~50 m / in darkness ~100 m
- incl. 1x 9 V battery (type 6LR61, art.-no.: 60 9281), with acoustic signal
- delivery with carrying bag, with operation manual

Option

- art.-no. 71 2991 attachable beam-prism

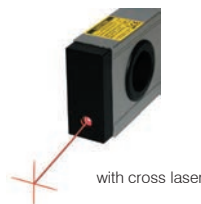
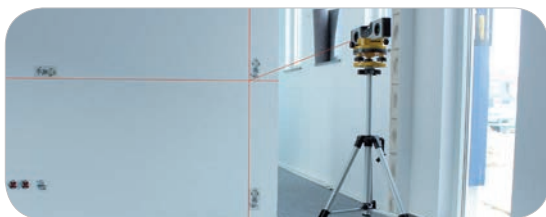


ART N°					
71 2001	0.1°	600 x 25 x 60	error limit at 0° and 90° ± 0.1°	0.5 mm/m = ± 0.029°	0.790

★★★★★ DIGI PLUS-LINE® Electr. Digital Light Alloy Spirit Level

- with cross laser, angle degree indicator and percent deviation

- rugged, rectangular profile, made of light alloy, with ribbed surface
- large LCD display, digit height 10 mm, reading from all directions possible
- switchable display in angle-, percentage measuring- and tangent-mode
- On/Off button, data hold function and memory function
- magnetic inserts in the bottom and M6 thread for tripod attachment
- with each 1x horizontal and 1x vertical vial
- with self-calibration and switchable cross laser
- incl. 1x 9 V battery (type 6LR61, art.-no.: 60 9281), with operation manual



with magnet inserts and M6 thread for tripod attachment



ART N°					
71 2010	4 x 90°	0.05°	0.1	225 x 57 x 25	0.278

★★★★★ BLUE-LINE® Spirit Levels „NIVEAU NORM“

• top quality spirit levels with plane surfaces

- rugged light alloy rectangular profile, from up 1500 mm length with extrem solid wallthickness
- with 1x horizontal vial and 1x vertical vial
- barrel-shaped vials with patented SOLID built-in system, permanent fixed and constantly aligned with the profile
- surfaces in stratosilver elocated
- measuring accuracy adjusted by electronical adjustment and at final inspection
- measuring accuracy in normal position $0.5 \text{ mm/m} = 0.029^\circ$, with reversal measurement minimum $0.75 \text{ mm/m} = 0.043^\circ$

art-no. 71 4100 ~ 71 4110

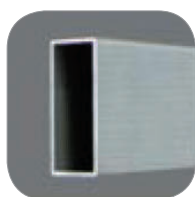
- with strong adhesive magnet in the measurement base



ART N° 71 4100 - 71 4110



with strong adhesive magnet in the measurement base



plane, rectangular aluminium profile,
extruded and warm cured

ART N° 71 4000 - 71 4010



ART N° 71 4100 - 71 4110



ART N°	mm			max. vial	KG
71 4000	200	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.142
71 4001	300	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.194
71 4002	400	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.250
71 4003	500	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.299
71 4004	600	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.358
71 4005	800	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.422
71 4006	1000	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.565
71 4007	1200	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.682
71 4008	1500	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	1.105
71 4009	1800	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	1.226
71 4010	2000	50 x 22	X	$0.5 \text{ mm/m} = \pm 0.029^\circ$	1.366
71 4100	200	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.210
71 4101	300	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.266
71 4102	400	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.383
71 4103	500	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.482
71 4104	600	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.509
71 4105	800	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.614
71 4106	1000	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.698
71 4107	1200	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	0.809
71 4108	1500	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	1.308
71 4109	1800	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	1.554
71 4110	2000	50 x 22	✓	$0.5 \text{ mm/m} = \pm 0.029^\circ$	1.664