

MiniLevel NT

Other styles, sizes and sensitivities are available as well as magnetic inserts for most units. Call Fowler's Technical Staff for price and availability.



Specifications

The Minilevel NT series from Wyler is unsurpassed in precision and reliability, and is the tool of choice for measuring small angles, flatness of surface plates & geometrical errors.

- Large LCD digital display.
- Choice of high or low sensitivity.
- Precise push-button zero point adjustment.
- Rugged precision aluminum housing for protection against external influences.
- All standard measuring bases are available.
- State of the art digital technology.
- Connection to Levelmeter 2000 #54-845-000 is possible for remote display.
- Power supply with common "AA" 1.5 V batteries.
- Fulfills strict European CE requirements (immunity against electromagnetic smog).
- Switchable Hi/Lo sensitivity.
- Works with #54-820-779 Flatness/Geometry Kit.

Instrument	Range choice	2/0.2 arc.sec.—instrument		10/1 arc.sec.—instrument	
		Range I	Range II	Range I	Range II
Inclination range		±19999 digits	±1999 digits	±19999 digits	±1999 digits
Sensitivity		10 µm/m	1 µm/m	50 µm/m	5µm/m
Data output connection	Analog output=:	2 arc.sec.	0.2 arc.sec.	10 arc.sec.	1 arc.sec.
Data output connection	Digital output=:	1mV/Sensitivity Unit RS-485, asynch., 7 Bit, 2 Stopbits, no parity, 9600 Baud			
Setting time		Value available after <3 sec.			
Limits of error	Up to 0.5 fullscale (DIN 2276)	max. 1% of measured value			
Limits of error	From 0.5 to fullscale (DIN 2276)	max. 1% of (2*measured value—0.5*F.S.)			
Temperature error /°C	Between 16 & 25°C (61—77°F)	<0.1% F.S.	<0.05% F.S.		
Power supply with batteries (Lifetime)		Batteries	1 x Size AA 1.5V Alkaline (100,—140 hrs.)		
External power supply		Option	1 x Size AA 3.0 V MnO ₂ —Lithium (200 hrs.)		
Temperature range		+5V DC, 20mW Operating 0° to 40°C. Storage -20° to 70°C.			

More specifications

Order Number	Sensitivity Setting	Inclination Angular	Inclination Inch/10"	Inclination mm/meter	Base Size	Base Type
54-830-104	High Low	1 second 10 second	0.00005 0.0005	0.005 0.05	4"(110mm)	Hardened Steel w/Dust Grooves
54-830-234	High Low	.2 second 2 second	0.00001 0.0001	0.001 0.01	4"(110mm)	Prismatic V-Groove
54-830-116	High Low	1 second 10 second	0.00005 0.0005	0.005 0.05	6"(150mm)	Slotted Screw-On
54-830-216	High Low	.2 second 2 second	0.00001 0.0001	0.001 0.01	6"(150mm)	Slotted Screw-On
54-830-226	High Low	.2 second 2 second	0.00001 0.0001	0.001 0.01	6"(150mm)	Angular w/V-Grooves
54-830-128	High Low	1 second 10 second	0.00005 0.0005	0.005 0.05	8"(200mm)	Angular w/V-Grooves

54-830-500 Remote display for the Minilevel NT series

The above levels are calibrated in Arc Seconds. Available on special order are models calibrated in µm/m.