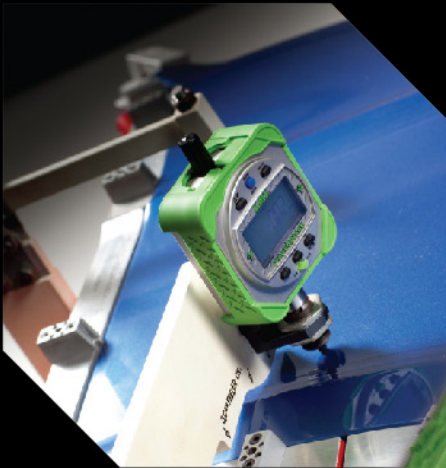


MANUFACTURED TOUGH FOR MANUFACTURERS

DIAMONDBACK

Redefining The Digital Indicator



NEW



Integrated
Wireless
Digital
Indicator



LMI®

Linear Measurement Instruments, Corp.

Packed With Features

ZERO/ABS



ABSolutely the Best

The standard ABS Mode on all Diamondback models provides absolute measurements with reference to a PRESET value.



A Quality Manager's Best Friend

Have confidence in your data. "Set it and forget it". Set the indicator to the desired parameters and then LOCK the settings - eliminate the possibility that an operator could accidentally change parameters.



Tolerance Judgement

Clear icons display if your part is in spec or above/below your spec limits.



Rugged & Precise

Now You Can Have Both

Our Diamondback Series Indicator has the competition rattled....

Yes, it is that tough – And to prove it, we drove a full size truck right over one of our rugged Diamondback indicators with no signs of damage!

Then we went a little overboard and parked a 9,000 lb. forklift on top of the same indicator. It actually held up to the weight for several minutes (really – we have pictures!) before the housing cracked under the pressure.

DIAMONDBACK'ed by Service & Support



Don't despair if you manage to damage your unit. LMI's customer service and repair center is ready to serve you and is capable of restoring your unit.

LMI is located in the USA to best serve all your Diamondback recertification and service needs.

Standardize on Diamondback

Smart Features That Reduce Cost and Add Value

We designed and built-in some useful features that not only make life easier but save money!



No need for additional collars, rings, extensions or adaptors that increase costs and reduce accuracy – and are a management nightmare!



We added a reference shoulder to the Diamondback Series that relates to industry standard reference positions



Choose from standard 31.0mm and 50.0mm nominal reference positions



Think Green  Think Diamondback
RESPONSIBLY MADE FROM ROHS COMPLIANT COMPONENTS

No more spongy buttons – Tactile buttons “click” when pressed to give proper feedback. We tested the keypad and switches to well over a million cycles – and yes, our fingers were tired.

Clearly Superior – Large LCD for tired old eyes and user friendly icons that provide useful information like battery level and tolerance indication.



All aluminum housing – Because we know indicators are going to be dropped.

Quality – Stem and Spindle are constructed from hardened stainless steel

Optional lug available for all Diamondback Indicators – It has a unique look and an attitude that demands to be taken to the shop floor, but add the mounting lug and the Diamondback is refined and precise enough to sit on an indicator stand in the most demanding quality lab.



CE Tested and Compliant – Conformance Européenne for Emissions & Immunity

Over 11,000 hours of continuous use! – So you won't have to change batteries very often but since the Diamondback indicators use standard AAA batteries, they will be easy to find and readily available when you do. Plus the handy battery position & polarity indicators make the process a breeze.



Impact tested – Not just a plastic cap, it has been engineered to withstand multiple 4 foot drops to concrete. These particular samples have been dropped over 20 times. While deformed with bits of gravel and concrete embedded into the cap, the function of the gauge and cap is still intact.

Hard coated lens over the LCD – An indicator is not much use if you can't read the numbers.

Rubber Protective Boot – Because it looks cool and feels nice – and because it greatly reduced the damage to our nicely painted, concrete floors during our rigorous drop tests! While we think the diamond plate texture looks great, more importantly it adds grip and the soft durometer has a gentle ergonomic feel. This oil resistant material is the same as used on power tools, garden tools and sports equipment.

Durability, all the way down to the tip – The weak point of every indicator is the contact tip. When it breaks off the threaded shank is left inside the spindle, leaving the unit completely useless. Every contact tip that we sell and supply with the Diamondback Series Indicators is a two piece construction from hardened steel. The threaded portion goes up inside the tip so there is no stress riser at the shoulder of the tip waiting to shear off, as with most indicator tips.

Communication Is Key

The standard Diamondback can communicate via USB, RS232 or by Digimatic output. LMI has a cable to get you connected but isn't it time to go wireless? The new Diamondback Wireless lets you roam free of cables and plug-in modules.



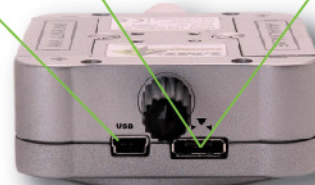
Standard inexpensive cable to connect directly to a computer USB port. Provides power to the unit even without batteries. Add a USB hub to easily multiplex several Diamondbacks.



Direct connection to a PC serial COM port



Connect to a compatible Digimatic interface device



NEW

Diamondback Wireless

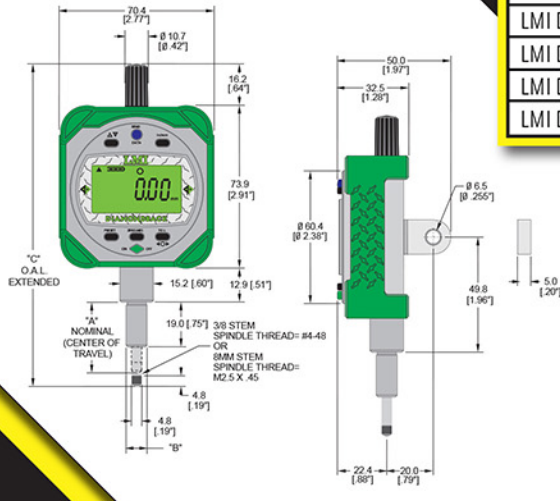
NO Cables
NO Modules

Roam FREE with integrated wireless

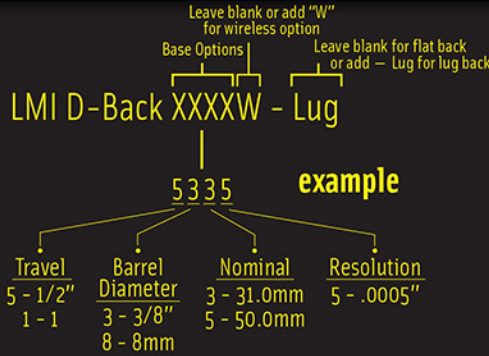


Models & Specifications

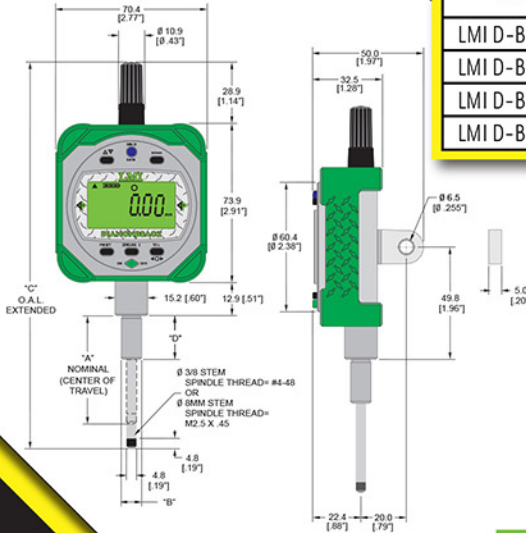
0.5" Travel Models



Model	Travel	Resolution	Accuracy	Measuring Force	A	B	C
LMI D-Back 5335	1/2"/12.7mm	.0005"/.01mm	.0004"/.01mm	1.0N or less	31.0	3/8"	5.77"/146.6mm
LMI D-Back 5355	1/2"/12.7mm	.0005"/.01mm	.0004"/.01mm	1.0N or less	50.0	3/8"	6.52"/165.6mm
LMI D-Back 5835	1/2"/12.7mm	.0005"/.01mm	.0004"/.01mm	1.0N or less	31.0	8.0mm	5.77"/146.6mm
LMI D-Back 5855	1/2"/12.7mm	.0005"/.01mm	.0004"/.01mm	1.0N or less	50.0	8.0mm	6.52"/165.6mm



1.0" Travel Models



Model	Travel	Resolution	Accuracy	Measuring Force	A	B	C	D
LMI D-Back 1335	1.0"/25.4mm	.0005"/.01mm	.0008"/.02mm	1.9N or less	31.0	3/8"	6.27"/159.3mm	.53"/13.3mm
LMI D-Back 1355	1.0"/25.4mm	.0005"/.01mm	.0008"/.02mm	1.9N or less	50.0	3/8"	7.02"/178.3mm	.75"/19.0mm
LMI D-Back 1835	1.0"/25.4mm	.0005"/.01mm	.0008"/.02mm	1.9N or less	31.0	8.0mm	6.27"/159.3mm	.53"/13.3mm
LMI D-Back 1855	1.0"/25.4mm	.0005"/.01mm	.0008"/.02mm	1.9N or less	50.0	8.0mm	7.02"/178.3mm	.75"/19.0mm

Cables

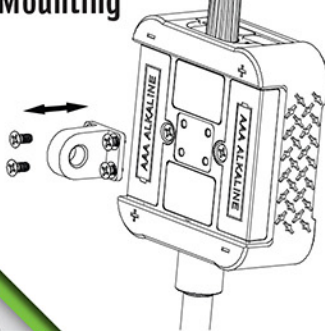
Model	Interface
LMI 6026	USB Interface
LMI 6027	RS232 Serial Interface - DB9 Connector
LMI 6028	Digimatic Interface - 10 pin (2 x 5) box header

Optional Tips

<p>Radius Contact</p> <p>4.8 [.19"]</p> <p>Ø 4.8 [Ø .19"]</p> <p>LMI 037 4-48 UNF LMI 037M M2.5 x .45</p>	<p>Disc Contact</p> <p>4.8 [.19"]</p> <p>Ø 8.9 [Ø .35"]</p> <p>LMI 036 4-48 UNF LMI 036M M2.5 x .45</p>	<p>Flat Contact</p> <p>4.8 [.19"]</p> <p>Ø 8.9 [Ø .35"]</p> <p>LMI 038 4-48 UNF LMI 038M M2.5 x .45</p>
<p>Point Contact</p> <p>4.8 [.19"]</p> <p>Ø 4.8 [Ø .19"]</p> <p>LMI 041 4-48 UNF LMI 041M M2.5 x .45</p>	<p>Chisel Contact</p> <p>4.8 [.19"]</p> <p>Ø 4.8 [Ø .19"]</p> <p>0.5 [.02"]</p> <p>LMI 052 4-48 UNF LMI 052M M2.5 x .45</p>	<p>Non-marring Contact</p> <p>4.8 [.19"]</p> <p>Ø 4.8 [Ø .19"]</p> <p>LMI 053 4-48 UNF LMI 053M M2.5 x .45</p>

Options & Accessories

Optional Lug Back Mounting



DIAMONDBACK

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