

FEATURES

- Vernier caliper
- Made of hardened stainless steel
- Satin-chrome finish
- Raised sliding surface to prevent wear
- Thumblock slide caliper and depth rod for four-way measurement
- Analogue display
- Imperial and metric units
- Capacity of 150 mm (6 in)
- Accuracy of $\pm 0.0254\text{mm}$ (0.001 in)
- Resolution of 0.02mm (0.0007 in)

RS PRO 150mm Vernier Caliper 0.02 mm, Metric & Imperial

RS Stock No.: 464-9952



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

When you need to measure objects or distances quickly and accurately, this Vernier caliper from RS PRO offers a reliable analogue solution. It's features a graduated main scale and a parallel sliding Vernier scale with even finer graduations. Unlike a digital caliper, which runs off a battery that you'll need to charge or replace, this caliper doesn't need any maintenance.

Engraved graduations are displayed in both metric and imperial units on the caliper. For extra durability, its sliding surface is raised, so the measurements won't wear down. A stainless-steel body with a satin-chrome finish offers enhanced corrosion resistance. This caliper also features a depth rod to fit into deep holes or grooves, allowing you to easily obtain measurements of their dimensions.

General Specifications

Caliper Type	Vernier
Imperial Or Metric	Both
Display Type	Analogue
Accuracy	$\pm 0.02\text{mm}$ $\pm 0.001\text{in}$
Resolution	0.02mm
Depth Rod Type	Four-way measurement
Applications	Construction and manufacturing environments, Mechanical engineering and scientific

Electrical Specifications


Battery	No
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Mechanical Specifications

Capacity	150mm / 6in
External Jaw Length	40mm
Internal Jaw Length	18mm
Inch Grads	0.001
Metric Grads	0.02




Fine Adjustment Style

	<p> Hardened stainless steel body Satin chrome finish Fine adjustment Depth Rod Four-way measurement: Outside Inside Step Depth Raised sliding surface to prevent wear to scale </p>
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Code	Range	Metric Grads	Inch Grads	Accuracy	External Jaw Depth	Internal Jaw Depth
51-100-006	145mm/5 1/2"	0.02	0.001	±0.02mm	40mm	18mm
51-100-008	200mm/8"	0.02	0.001	±0.03mm	48mm	20mm
51-100-012	300mm/12"	0.02	0.001	±0.04mm	63mm	20mm

Master Vernier Calipers

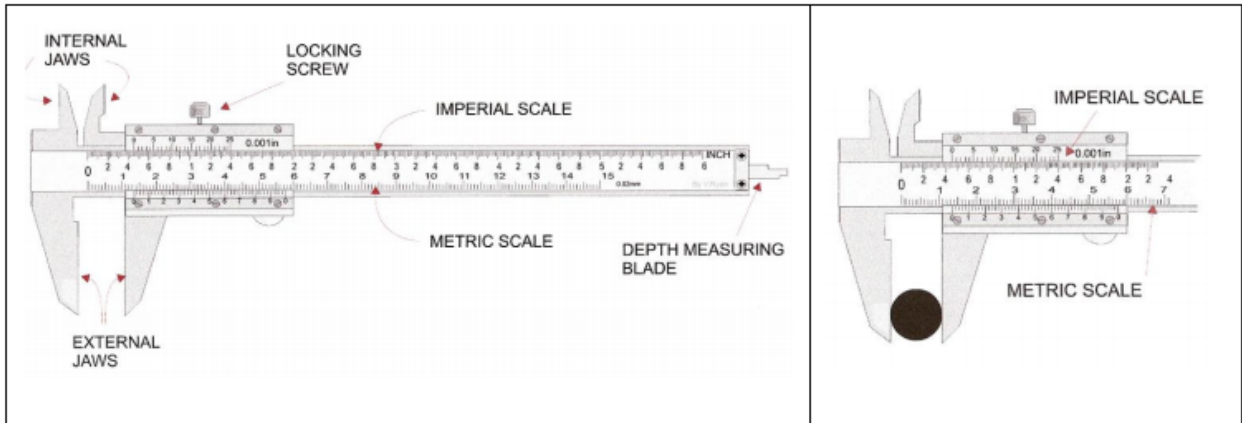
	<p> Hardened stainless steel body Satin chrome finish Micro-fine graduations, machine divided and engraved Fine adjustment Raised sliding surface to prevent wear to scale </p>
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Code	Range	Metric Grads	Inch Grads	Accuracy	External Jaw Depth	Internal Jaw Depth
51-110-012	300mm/12"	0.02	0.001	±0.04mm	75mm	Not supplied
51-110-024	600mm/24"	0.02	0.001	±0.06mm	100mm	Not supplied
51-110-040	1000mm/40"	0.02	0.001	±0.07mm	150mm	Not supplied

A Brief History

The Vernier Caliper is an instrument for making very accurate linear measurements. The instrument was first introduced in 1631 by Pierre Vernier of France. It utilises two graduated scales: The main scale which is similar to that on a rule plus a specially graduated sliding scale (called the Vernier scale). The Vernier scale slides parallel to the main scale and enables readings to be made to a fraction of a division on the main scale.

Reading a Vernier



<p>Example 1:</p> <p>$19 + 32 \times 0.02$ $19 + 0.64$ $19.64 = \text{Correct reading}$</p>	<p>Example 2:</p> <p>$13 + 21 \times 0.02$ $13 + 0.42$ $13.42 = \text{Correct reading}$</p>