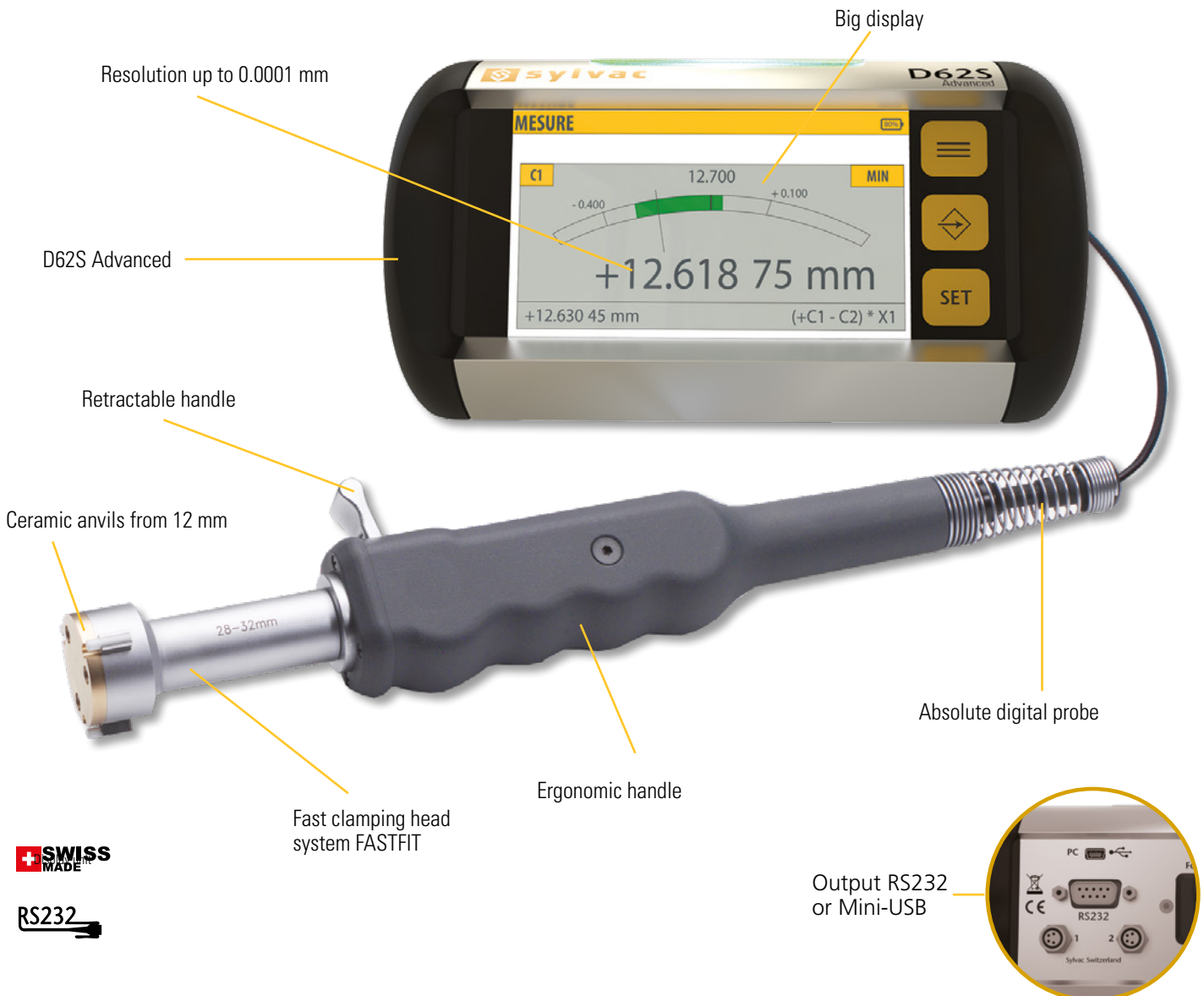


## DESCRIPTION

- High-precision internal measuring set consisting of an ergonomic handle with release lever, a absolute digital probe mounted in the handle, measuring head, external display unit for reading the value, calibration ring and certificates
- Interchangeable measuring heads (quick system) 2 points (Ø 2 to 6 mm) and 3 points (from Ø 6 mm). XT measuring heads are not compatible with the Ultima system.
- Tungsten carbide measuring heads up to Ø 10-12 mm and ceramic measuring heads from Ø 12-14 mm.
- Possibility to measure blind holes from Ø 12 mm upwards
- Display resolution 0.001 or 0.0001 mm (1 µm or 0.1 µm)
- Measuring range Ø 2 to 310 mm
- Available with special measuring heads for threads, grooves, flutes, etc. on request
- Available as an individual instrument or as a set
- Delivered in a wooden box containing all items



# High accuracy internal measurement

# Ultima

## TECHNICAL SPECIFICATIONS OF MEASURING HEADS

		119560.0100	119560.0200	119560.0300	119560.0400	119560.0500	119560.0600	119560.0700	119560.0800
Meas. range	mm	2.0-2.5	2.5-3	3-4	4-5	5-6	6-8	8-10	10-12
Ring Ø	mm	2.5	2.5	4	5	5	8	8	12
Depth	mm	9	9	12	18	18	60	60	61
Max. Error	µm	1	1	1	1	1	1	1	1

		119560.0900	119560.1000	119560.1100	119560.1200	119560.1300	119560.1400	119560.1500	119560.1600
Meas. range	mm	12-14	14-17	17-20	20-24	24-28	28-32	32-38	38-44
Ring Ø	mm	12	17	17	24	24	32	32	44
Depth	mm	61	61	61	69	69	69	72	72
Max. Error	µm	1	1	1	1	1	1	1	1

		119560.1700	119560.1800	119560.1900	119560.2000	119560.2100	119560.2200	119560.2300	119560.2400
Meas. range	mm	44-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120
Ring Ø	mm	44	60	60	80	80	100	100	120
Depth	mm	72	80	80	80	80	80	80	80
Max. Error	µm	1	1	1.5	1.5	1.5	1.5	1.5	1.5

		119560.2500	119560.2600	119560.2700	119560.2800	119560.2900	119560.3000	119560.3100	119560.3200
Meas. range	mm	120-130	130-140	140-150	150-160	160-170	170-180	180-190	190-200
Ring Ø	mm	120	140	140	160	160	180	180	200
Depth	mm	80	80	80	80	80	80	80	80
Max. Error	µm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

		119560.3300	119560.3400	119560.3500	119560.3600	119560.3700	119560.3800	119560.3900	119560.4000
Meas. range	mm	200-210	210-220	220-230	230-240	240-250	250-260	260-270	270-280
Ring Ø	mm	200	220	220	240	240	260	260	280
Depth	mm	80	80	80	80	80	80	80	80
Max. Error	µm	1.5	2	2	2	2	2	2	2

		119560.4100	119560.4200	119560.4300
Meas. range	mm	280-290	290-300	300-310
Ring Ø	mm	280	300	300
Depth	mm	80	80	80
Max. Error	µm	2	2	2

## TECHNICAL SPECIFICATIONS SETS

	119550.0100	119550.0200	119550.0300
Meas. range mm	2-6	6-10	10-20
Number of rings	3	1	2

	119550.1100	119550.1200	119550.1300	119550.1400
Meas. range mm	6-20	20-50	50-100	20-100
Number of rings	3	3	3	6

## STANDARD DELIVERY

### Individual

- Instrument according to technical specifications (handle with integrated probe + head)
- Setting rings according to technical specifications
- Wooden box <sup>1)</sup>
- Certificate

### Sets

- Instrument according to technical specifications (handle with integrated probe + head)
- Setting rings according to technical specifications
- Digital display D62S Advanced (131564.2000)
- Probe P12D Standard (131713.1200)
- Wooden box <sup>1)</sup>
- Instruction manual + certificate

<sup>1)</sup> Fumigated compatible ISPM 15 and NIMP 15

## TECHNICAL SPECIFICATIONS HANDLES

	119565.0100	119565.0200	119565.0300	119565.0400
Meas. range mm	2-6	6-20	20-100	100-310

Probe included

## TECHNICAL SPECIFICATIONS EXTENSIONS

	119565.1100	119565.1200	119565.1300	119565.1400	119565.1500	119565.1600	119565.1700
Meas. range mm	6-10	10-12	12-20	20-50	50-310	20-50	50-310
Length mm	63	75	100	50	50	150	150

# High accuracy internal measurement

# Ultima

## APPLICATIONS



Data output through RS232



Two Ultima gauges connected with one unit  
Sylvac D62S only



Adjustable depth stop (on request)



Set including 6 measuring heads, 3 master rings, 1 D62S, the handle and his probe, charging unit