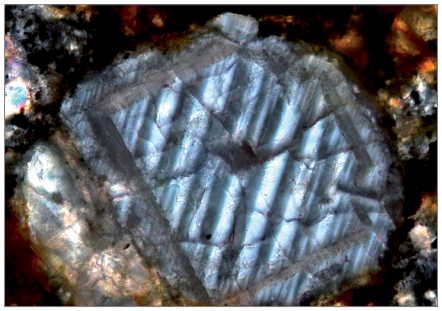
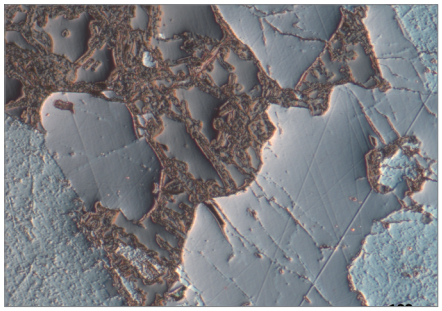
Axio Scope.A1

Your Modular Microscope for Routine and Research in Materials



Pyroxene-rich chondrule fragment in Dar al Gani 327, Transmitted-light, polarization, enlarged 50x
Dr. Jutta Zipfel, Meteorite Search Section, Senckenberg Natural History Museum, Frankfurt am Main, Germany



Reflected-light C-DIC for metallography applications

Configure your Axio Scope.A1 exactly as you need it with five different upper bodies, three lower bodies and two Vario columns. Use Axio Scope.A1in the metallographic laboratory for measuring layer thickness or for demanding investigations that use transmitted light, reflected light and fluorescence. Invest only in the functionality you require. Axio Scope.A1 is extremely versatile. Analyze large, three-dimensional specimens in a single piece using a non-contact method.

The modular interface concept allows you to simply add components when your material microscopy or metallography needs change. You can easily install many of these yourself.

Highlights

- Adjustable sample space from 0 to 110 mm, up to 380 mm with Vario column
- 23 stand combinations (five upper and three lower parts, two Vario columns)
- A long-lasting LED - homogenous illumination for transmitted light and stable, brilliant illumination for reflected light
- Variety of illumination sources for fluorescence applications – LED to a classic mercury vapor lamp
- Unique, optional interface that serves as a fully functional camera port with transmitted light (independent of the tube - easily upgradable)
- Adjustable intensity of the transmitted light illumination on both sides for left or right handed use
- Move your material specimen manually with the object carrier.

Flexibility For All Your Applications

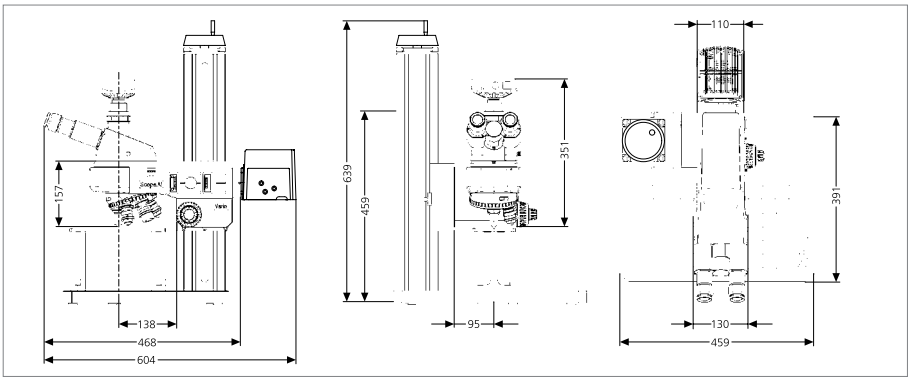
Axio Scope.A1 has such a flexible specimen space, use it for an unusually wide range of purposes:

- Observe under reflected light in metallography.
- Examine the structure of large component parts and analyze grain sizes, structure, phases and grain distribution.
- Measure layer thickness and uniform application of coatings.
- Evaluate surface quality and detect inclusions and impurities.

ZEISS

Axio Scope.A1

Your Modular Microscope for Routine and Research in Materials



Stand Upper Parts ▶ / ▼ Stand Lower Parts	Stand upper part Transmitted-light with objective turret 6x brightfield, M27	Stand upper part FL/HBO with objective turret 3x brightfield, 3x DIC, M27	Stand upper part FL-LED with objective turret 3x brightfield, 3x DIC, M27	Stand upper part HAL 100/HBO with objective turret 6x brightfield/ darkfield, M27	Stand upper part HAL 100/HBO with objective turret 6x brightfield/darkfield, DIC, M27
Stand lower part for LED illumination	Microscope stand Axio Scope.A1 LED, 6x BF **430035-9200-000**	Microscope stand Axio Scope.A1 LED, FL/HBO, 3x BF, 3x DIC **430035-9210-000**	Microscope stand Axio Scope.A1 LED, FL-LED, 3x BF, 3x DIC **430035-9220-000**	Microscope stand Axio Scope.A1 LED, HAL 100/HBO, 6x BD **430035-9080-000**	Microscope stand Axio Scope.A1 LED, HAL 100/HBO, 6x BD DIC **430035-9090-000**
Stand lower part for HAL 50 illumination	Microscope stand Axio Scope.A1 HAL 50, 6x BF **430035-9030-000**	Microscope stand Axio Scope.A1 HAL 50, FL/ HBO, 3x BF, 3x DIC **430035-9040-000**	Microscope stand Axio Scope.A1 HAL 50, FL-LED, 3x BF, 3x DIC **430035-9050-000**	Microscope stand Axio Scope.A1 HAL 50, HAL 100/HBO, 6x BD **430035-9100-000**	Microscope stand Axio Scope.A1 HAL 50, HAL 100/HBO, 6x BD DIC **430035-9110-000**
Stand lower part for HAL 100 illumination	Microscope stand Axio Scope.A1 HAL 100, 6x BF **430035-9130-000**	Microscope stand Axio Scope.A1 HAL 100, FL/HBO, 3x BF, 3x DIC **430035-9060-000**	Microscope stand Axio Scope.A1 HAL 100, FL-LED, 3x BF, 3x DIC **430035-9070-000**	Microscope stand Axio Scope.A1 HAL 100, HAL 100/HBO, 6x BD **430035-9140-000**	Microscope stand Axio Scope.A1 HAL 100, HAL 100/HBO, 6x BD DIC **430035-9120-000**
Stand column Axio Scope Vario 380 mm		Axio Scope stand upper part FL/HBO, 3x BF, 3x DIC, M27 **423730-9030-000** Axio Scope Vario stand column 380 mm **451017-9010-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**	Axio Scope stand upper part FL-LED, 3x BF, 3x DIC, M27 **423730-9050-000** Axio Scope Vario stand column 380 mm **451017-9010-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**	Axio Scope stand upper part HAL 100/HBO, 6x BD, M27 **423730-9060-00** Axio Scope Vario stand column 380 mm **451017-9010-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**	Axio Scope stand upper part HAL 100/HBO, 6x BD DIC, M27 **423730-9070-000** Axio Scope Vario stand column 380 mm **451017-9010-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**
Stand column Axio Scope Vario 560 mm		Axio Scope stand upper part FL/HBO, 3x BF, 3x DIC, M27 **423730-9030-000** Axio Scope Vario stand column 560 mm **451017-9000-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**	Axio Scope stand upper part FL-LED, 3x BF, 3x DIC, M27 **423730-9050-000** Axio Scope Vario stand column 560 mm **451017-9000-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**	Axio Scope stand upper part HAL100/ HBO,6x HD, M27 **423730-9060-000** Axio Scope Vario stand column 560 mm **451017-9000-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**	Axio Scope stand upper part HAL 100/HBO, 6x BD DIC, M27 **423730-9070-000** Axio Scope Vario stand column 560 mm **451017-9000-000** Axio Scope Vario drive box, focus lift 15 mm **430036-9000-000**

Versatile Options: The Contrasting Techniques

The variety of reflected and transmitted light techniques that Axio Scope.A1 offers you is unusual in this performance class.

Perfectly tailored to your tasks in routine and research, the most import contrasting techniques include:

In reflected light:

- Brightfield
- Darkfield
- Polarization
- DIC
- C-DIC
- Fluorescence

In transmitted light:

- Brightfield
- Polarization
- Darkfield
- DIC
- Phase contrast

EN_42_012_127 | CZ 03-2014

microscopy@zeiss.com
www.zeiss.com/axioscopemat

authorized dealer:
Pulch + Lorenz microscopy
Am Untergrün 23, D-79232 March
tel: 07665 9272-0
fax: 07665 9272-20
mail: kontakt@pulchlorenz.de
web: pulchlorenz.de