

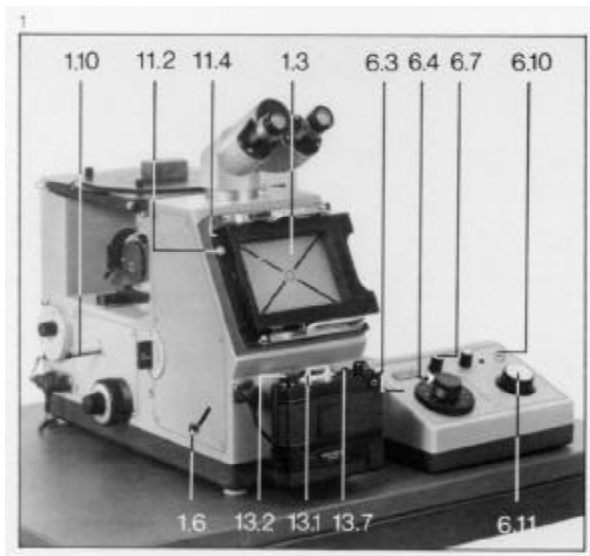
ICM 405 inverted camera microscope

Brief operating instructions

(Some of the numbers refer to figures in operating
instructions G 41 - 126 / II - e)

GE 41 - 126 / II - e

Essentials in brief



Compensation of reciprocity failure (6.7)

Filmmaterial	DIN/ ASA	recipr.
Agfachrome Professional 50 L	18/50	3
Agfachrome Professional 50 S	18/50	4
Agfachrome CT 18	18/50	3
Kodak Ektachrome 50 Professional	18/50	5
Kodak Ektachrome 64 Professional	19/64	7
Kodak Ektachrome 160 Professional	23/160	9
Kodak Ektachrome 200 Professional	24/200	10
Kodak Kodachrome 25	15/25	10
Kodak Kodachrome 64	19/64	12
Agfa Isopan F	17/40	3
Agfa Pan 25 Professional	15/25	1
Agfa Ortho 25	–	3
Ilford Pan F	18/50	2
Ilford FP 4	22/125	4
Ilford HP 5	27/400	12
Kodak Panatomic X	16/32	2
Kodak Plus-X Pan	22/125	2
Kodak Technical Pan Film SO-115	21/100	4
Polaroid Type 665	20/80	2
Polaroid Type 52	27/400	8

If the value of the film is unknown, use that of a similar one given in the above table.

A Photography in general

- Switch on instrument, **5.2** (i.e., **Fig. 5**, switch **5.2**)
- Light to cameras: pull out **1.10**

B ... on 35 mm film

- Set film speed to **6.4**
- Light to 35 mm camera: **1.6** down
- Load film and advance unexposed by switching **13.7** three times; M 35: to wind on, the slide must be pulled out; **13.2** turns too, function OK.
- **Pull out cassette slide 13.1**
Before removing film cassette push in slide

C ... on large format

- Set film speed to **6.3**
- Light to large-format camera: **1.6** up
- Set counter **11.4** with **11.2**
- Lift ground-glass frame **1.3** and insert cassette from the right. Pull out cassette slide.

D ... general

- Which format frame applies? (Figures 7 to 9)
- Crosshairs and specimen both in sharp focus?
- Proper light and filter? Uniform illumination?
- "Auto" or "Semi-Auto" (top, page 9)?
Release **6.10**
- Documentation notes complete?

Magnification on film

35 mm $M_{\text{objective}}$ (x nosepiece factor) x 3.2
 Example: Objective 10 x nosepiece 1 x 3.2 = 32 x
 Large format: x 12.5 instead of 3.2
 (Example: Objective 10 x nosepiece 1 x 12.5 = 125 x)

Instrument has a "defect"

- If pointer does not deflect when turning **6.11**:
no light enters photographic part – pull out **1.10**
- If camera motor does not work: lever **1.6** is on large format instead of on 35 mm – cassette slide has not been pulled out
- If rewind head **13.7** does not turn when advancing film unexposed with **13.2**: film is detached from take-up spool; reload and with rewind crank wind somewhat tighter in cassette
- If in large-format photography light enters:
opening for 35 mm cassette was not covered.