



Carpe

Autocorrelator for Microscopy

User Manual

**Preliminary
Additional Information**

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1. The New Carpe



Fig 1 Carpe - Front panel

Control elements:

- Power button
- Hard keys
 - SCAN + Scan range variation
 - < CURSOR > Cursor Control
 - MAIN alternatively to status display (press once: direct access to Main menu, disappears automatically after a few seconds; press twice in any menu: back to status display)
 - RETURN back to previous menu
 - ACTIVATE enable or disable measurement by removing deflection prism from beam path for normal microscope application
 - EXT / INT Selection of external or internal sensor
- 6 soft keys function depends on displayed menu
- GAIN press-/turning-button; turning = manual gain control, pressing = Autogain: gain and sensitivity are automatically adjusted to set the measured AC-peak to about 80% of the screen.

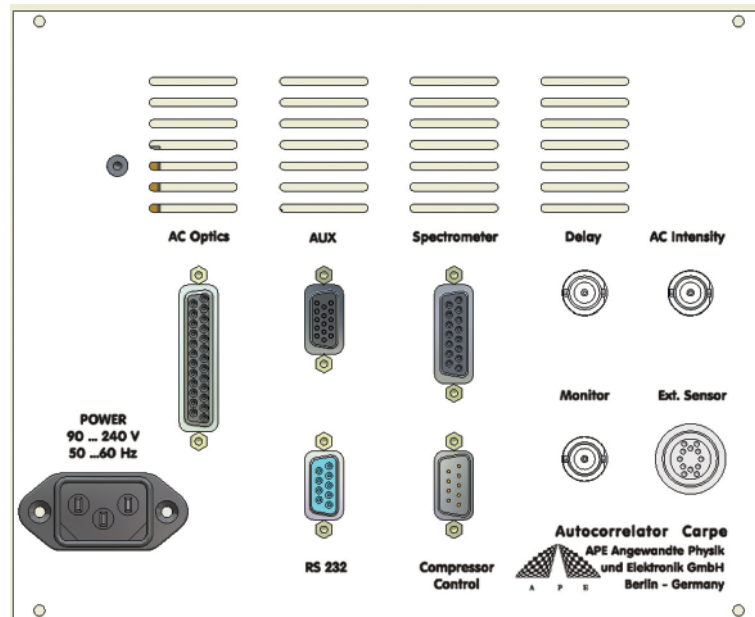


Fig 2 Back panel

Connectors:

- Power mains
- Optics (25 pinSubD female)
- Analogue BNC outputs: „AC Intensity“ and „Delay“ for oscilloscope (if required)
Monitor output (analog power signal)
- Serial interface RS 232 (9 pinSubD female)
- optional: spectrometer input
pulse compressor control
AUX for special applications

2. The New Menu Structure

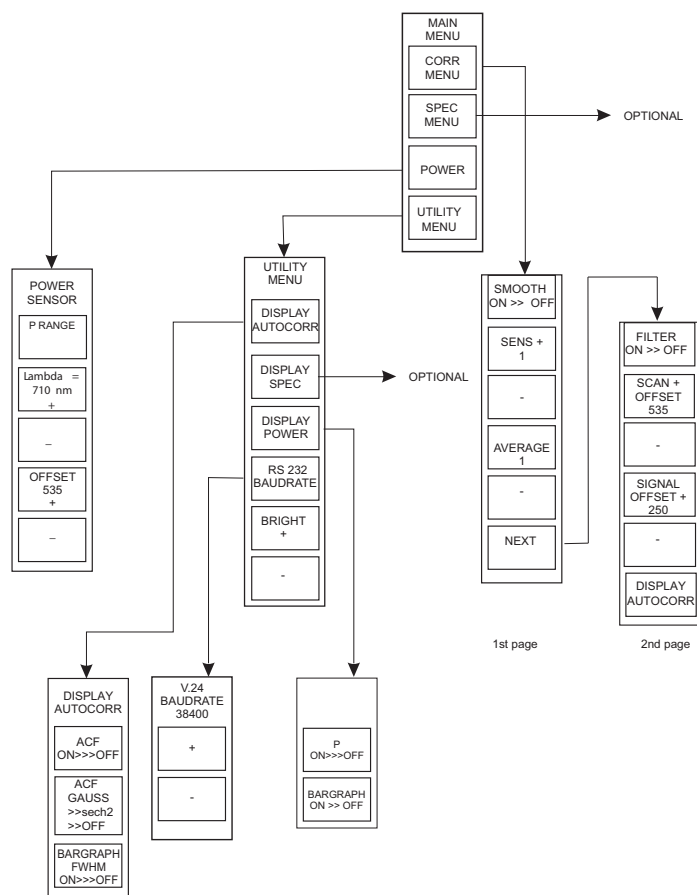


Fig. 3 Menu Structure

3. Internal Attenuator

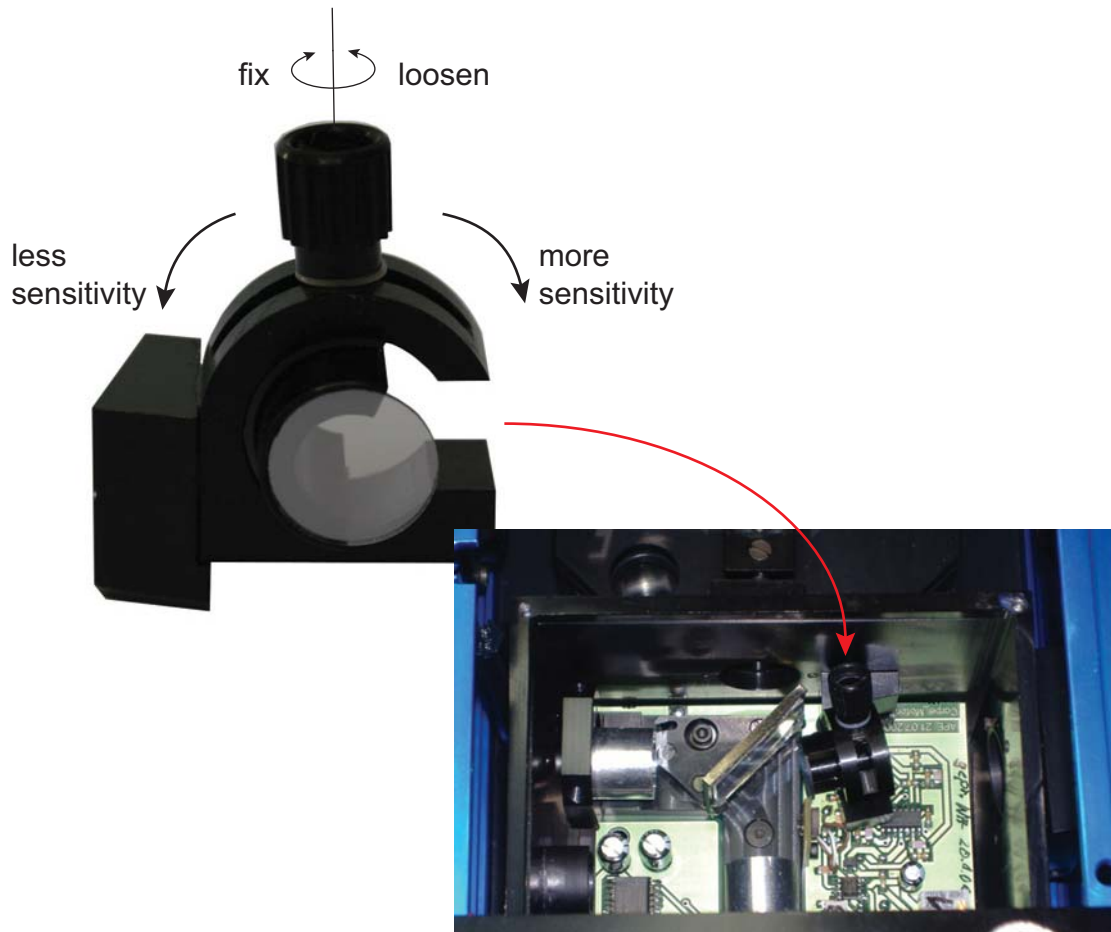


Fig. 4 Attenuator

This manually variable attenuator has been integrated into the Carpe optics unit to adjust the sensitivity of the measurement of the internal ACF to the power of the laser system

- open top cover
- unscrew inner cover (black) and take off
- adjust attenuator