

Index: laser classes

In analogy to EN 60825-1, safety of laser devices, table D.3 - Summary of the precautions users should take:

Requirements	Class 1	Class 1M	Class 2	Class 2M	Class 3R	Class 3B
Laser safety officer	Not required, but recommended for applications which demand a direct look into the laser beam				Not required for visible emissions, required for invisible	Required
Interlock, operatable by remote control	Not required					To be connected to room or door circuits
Key switch	Not required					Pull out key if device is not operating
Beam reducer	Not required					Avoids unintentional exposure, to beams when operating
Beam indication	Not required				Indicates, when the laser is operating with invisible radiation	Indicates if the laser is operating
Laser warning labels See labels on the laser!	Not required					Follow the indications on the warning labels
Beam paths	Not required for laser classes 1 and 2. For 1M, 2M: Measures as for 3R, 3B					The beam has to finish at the end of its expedient way
Mirroring reflection	Not required for laser classes 1 and 2. For 1M, 2M: Measures as for 3R, 3B				Unintended reflections are to be avoided	
Eye protection	Not required					Required, if constructive or organisational measures are not workable or if permitted max. radiation is exceeded
Protective clothing	Not required					
Schooling	Not required				Required for operational and maintenance staff.	