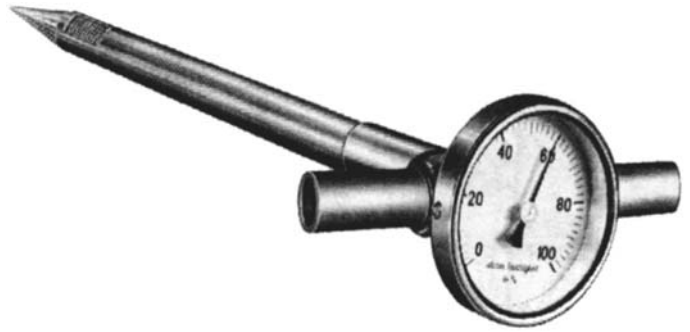
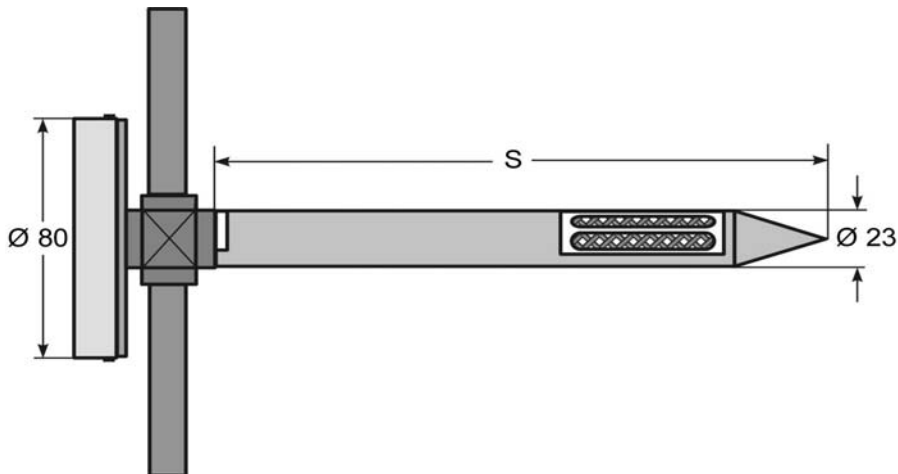


Case:	Diam. 80 st. steel 1.4301
Bezel:	Stainless steel 1.4301
Dial:	Aluminium, white varnished lettering and graduation black
Pointer:	Aluminium, black
Window:	Instrument glass - Safety glass
Insertion stem:	L = 500 x Ø 23 mm in brass chromed with tip - L = 1.000 mm
Features:	Measuring systems protected by st. steel gauze and by turnable double stem
Handling:	2 solid handles made of brass for pricking
Measuring system:	Triple fold for humidity
Measuring range:	0-100% rel. humidity
Accuracy class:	± 2.5%



- OPTIONS

Diam. 80	Article number: 1440001
-------------	----------------------------



The hygrometer for pricking is mainly used in agriculture to define the moisture content of corn. The hygrometer is insensible to its position and can be used axial, vertical or in oblique position.

The measuring element qualifies to a permanent temperature of 80°C.

A short time load up to 120°C is justifiable and causes no damage.

There are two screwable handles installed beneath the case for inserting the stem into the goods stored.

Before insertion into the goods stored the outer stem has to be turned to close the perforation at the stem end. After reaching the measuring depth the perforation has to be opened by turning to the other direction. Now the measurement can begin.

The stem should stay in the goods stored for approx. 30 to 60 minutes, at least until the pointer doesn't move anymore.

Thenafter the reached value can be read off and the water content of the goods stored can be read off by the scales or by defining it according to the also delivered curve sheets.

After finishing the measurement the perforation has to be closed again before the stem is pulled out again. **IMPORTANT!**

By this measure it is avoided that corn dust or corn dirt comes inside the perforation during insertion or pulling out. Disregarding this can cause damage to the measuring element.

The ascertaining of the relative humidity follows by a scale 0...100%.

The instrument is produced for the following goods stored:

field beans, cotton, cottonseed, peas, peanut kernels, barley, grass seed, oats, hay, millet, wood, industrial silk, leather, linseed, corn, milo, rapeseed, rice, rye, real silk, sunflower seed, wheat and wool.

Masses and dimensions are conform to current company standard. Changes to improve our gauges will be made without preannouncement.