

DA Meter®

Handeld instrument for non-destructive determination of the DA Index® of ripeness state of the fruit

- Non-destructive measurement of the DA Index® of ripeness state of the fruit.
- Measuring directly on the tree and ease of calibration, without the need of destruction of fruit samples.
- Measuring repeatable from year to year and from place to place, wich follows the ripeness of the fruit after harvesting, and also during storage.
- Suitable for measuring of the DA Index® of: apples, pears, plums, apricots and peaches, available in special versions for kiwifruits, cherries and small size fruits.
- Integrated statistic functions for the evaluation of the production batches and to determine the proper harvesting time.
- Data storage on a removable Micro-SD-Card and data download via USB port, using a free PC-SW for Windows® O.S.
- Portable battery-powered instrument: operating with 3 AA size batteries only.

DA Index®: it's normally used to determine the proper harvesting time, to check the homogeneity of the production batch, and to assess the shelf-life of production batches. Further use of the entire chain of production/distribution are currently being developed.

The DA Index®, for now, has been used with pears, apples, plums, apricots and peaches. They are ongoing trials for many other plant species.

DA Meter® for standard fruits: the tool is non-destructive and allows measurements directly on the tree and in the laboratory, warehouse or store. Normally used to determine the proper harvesting time, to check the homogeneity of the batch, to assess the shelf-life of production batches and to determine the protocols of cultivation of the new species.

The standard version is equipped with a sensor with a reading head by contact (13 mm diameter) on a single wavelenght and is usable with pears, apples, plums, apricoats and peaches. Trials for many other cultivars are ongoing.

DA Meter® for kiwifruits and cherries: these special versions of the instrument are operating with the same principle to that of the standard DA-Meter®, but using two different wavelenghts instead one.

Data readings of the two wavelenghts are selectable through the instrument's menu, and the instrument is equipped with a sensor head of reduced dimensions (9 mm diameter), wich allows an optimal use on both irregular shape and/or small size fruits.



fig.1 – The Da Meter® handeld instruments' range, suitable for standard fruits, kiwifruits and cherries



fig.2 – User-friendly case, with tactile keyboard, LCD display to show acquired measures, data storage on a Micro-SD-Card and download on Windows® operating system equipped PC using the proper software and by the rear USB interface.



fig.3 – Different sensor types are available:
for medium-large size standard type fruits, for small size ones or for irregular shape (kiwifruits-cherries)

Order Informations			
Model	Sensor type	Wavelength	Measures DA Index® on
FRM01-F	Standard (13 mm sensor head)	1	Apples, Pears, Plums, Apricots, Peaches and other climateric fruits
FRM01-FP	For small size fruits		
FRM01-AP	(9 mm sensor head)	2	Actinidia (Kiwifruits)
FRM01-CP			Cherries

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