

INTERNAL QUALITY MEASUREMENT
BY NIR SENSOR

Imes10

PERFORMANCE AND RELIABILITY PROVEN
THROUGH SATISFIED CUSTOMERS AROUND THE WORLD



NON-DESTRUCTIVE, FAST MEASUREMENT

CAPABLE OF MEASURING MULTIPLE SPECIMEN AT ONCE, UNDER COMMERCIAL PACKING SPEED

COMPATIBLE WITH ANY SORTING MACHINE

COMPACT DESIGN ALLOWS FOR EASY INSTALLATION

ACCURATELY ASSESS PRODUCT WITH A TRANSPARENT MEASUREMENT TECHNIQUE

CONSISTENTLY ACCURATE ASSESSMENT OF PRODUCT WITH A VARIABLE LAMP STRENGTH

UPDATE CALIBRATION CURB ON THE FLY

ALLOWS YOU TO UPDATE CALIBRATION CURB BY YOURSELF

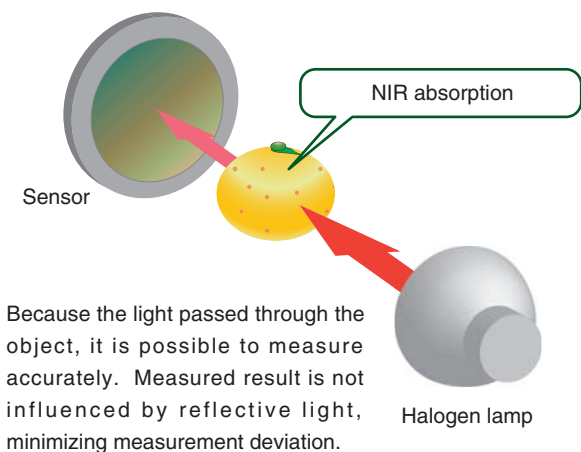
SIMPLE TO MAINTAIN

EASY TO CHANGE A LAMP

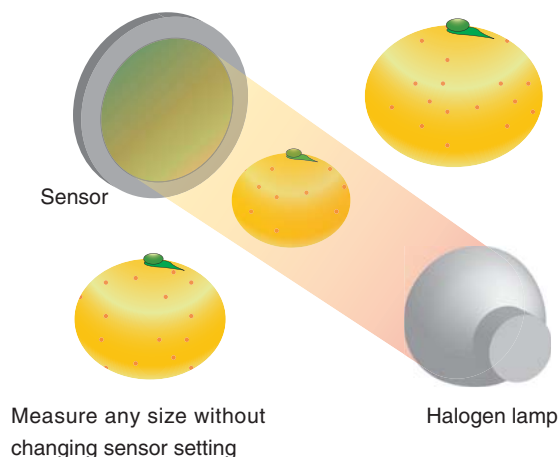
INTERNAL QUALITY SENSOR BY NIR, Imes10

Imes10 is an internal quality sensor by NIR technology. It measures internal quality condition such as brix, acid, and dryness (frost & granulation) of citrus, brix of peach, tomato and pear at during packing operation. Accurate measurement is performed by transparent method with halogen lamp. Operation is simple and making calibration is at ease. Maintenance work, such as changing halogen lamp, is also at ease.

Transparent measurement



Measure any size

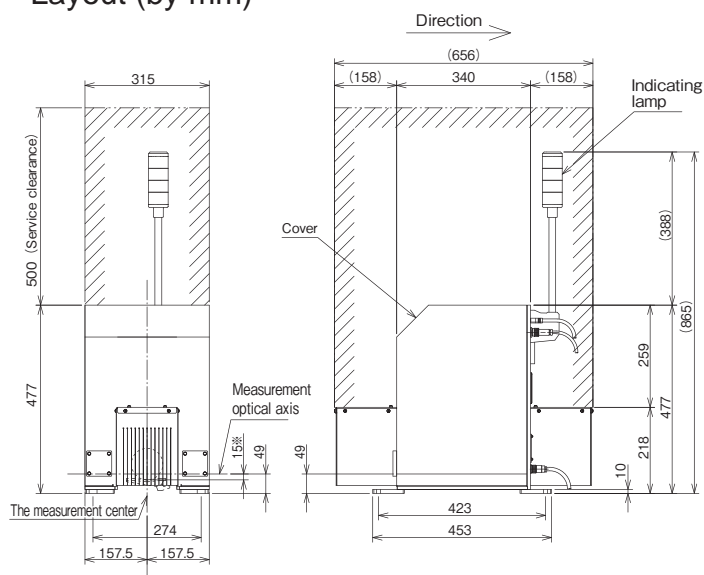


Specification of Imes10

Brix range	8.0 to 18.0Brix
Brix (W/ SE)	≤0.45Brix
Acid range	0.3 to 2.0%
Acid (W/ SE)	≤0.2%
Fruit Temp	0 to 35°C (Ambient temp within ±15°C)
Fruit size	50 to 110mm (Height 30mm or more)
Measurement speed	Mandarin 10pieces/sec(size 50 to 85mm)
Power supply	Single phase
Consumption	Sensor: 250VA or less PC: 300VA or less
Environment	Temp Sensor : 0 to 45°C PC : 10 to 35°C Moisture Sensor : 10 to 85°C (No condensation) PC : 20 to 80°C (No condensation) Mass Sensor : 18kg

*These values are for reference only. They are not guaranteed value.

Layout (by mm)



● Information in this catalog may change without notice. Please check with us when planning to use the equipment listed herein.

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