

## PROFESSIONAL AUTOMATIC STATION FOR REMOTE HONEY-COLLECTION CONTROL (TCM-13)



*TCM-13 Scale*

independent beekeepers who want regular data on weight, temperature and relative humidity in their dislocated beehives.

The load sensor is protected from the elements within a high quality stainless steel case, it is also designed to be under load continuously and can, combined with AMES electronics, provide very accurate and reliable data. There are virtually no variations due to changes in temperature and other factors. The communication module contains AMES sensors for temperature and relative humidity, the GSM modem and a battery that can power the device for up to 3 years.

### PROPERTIES

The TCM-13 is a measuring station for monitoring and prediction of honey production and collection. In essence this device is an electronic scale with built in environmental (Temperature and humidity) sensors. It also includes a GSM modem, which is used to transmit data. It is designed for integration into the honey-collection control system of the Slovenian Beekeepers Association, as well as for

- Measures the mass of the hive, air temperature and relative humidity
- **Low** operation and maintenance **costs**
- Measured information accessible via SMS or via the web application
- SMS vandalism alert(optional)
- works on all mobile networks
- 24/7 access to measurement data via the web application **ecebelar.si**
- Simple parameter setting via the console or SMS
- Automatic clock setting.

### TECHNICAL INFORMATION

	WEIGHING CELL	TEMPERATURE	RELATIVE HUMIDITY
<b>Measurement range</b>	0 .. 100 kg	-30 .. +50 °C	10 .. 100%
<b>Accuracy and linearity</b>	< 0,02 %	+/- 1 °C	+/- 3 % RH
<b>Resolution</b>	0.1 kg	0.1 °C	1 % RH
<b>Power supply</b>	3,6 V DC		
<b>Operating temperature</b>	od -20 do +60 °C		
<b>Casing protection</b>	IP 54		
<b>Dimensions</b>	485 x 330 x 80 ( d x š x v )		
<b>Mass</b>	8,0 kg		
<b>GSM modem</b>	GSM/UMTS; all providers		