Activity Meter 2 Tester

Quick manual

DeLaval

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Federal Communications Commission (FCC) Statement

Note: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Technical data

Nominal voltage	3V DC
Battery type	AA, 2 pcs
Dimensions	185 x 83 x 33 mm
Weight	48 g excluding batteries 119 g including batteries
Ideal environment	Indoor
Operating temperature*	-20 °C to +55 °C
Recommended storage temperature*	+10 °C to +35 °C

Reading meter serial number

DeLaval Activity Meter 2 Tester allows You to read out the serial number from an Activity Meter 2 unit.

To read the number from the unit, place the AM2 in the bracket as shown in *Figure 1*.

Note that the AM2 unit needs to be completely inserted in the bracket as shown in *Figure 1*.

Figure 1

Press the button labeled with *Test* once. The Tester will begin to search for an AM2 unit and during this time the following text will be displayed as in *Figure 2*.

Figure 2: Display during search time.

When an AM2 unit is found, its serial number is displayed as in *Figure 3*.

Figure 3

The format is 123 XX 45678. The activity meter ID number used in the system is the five-digit number (45678).

When the AM2 unit has been read, it will enter a so called *back-off mode* and cannot be read again for the next 5 minutes.

The serial number will be displayed during 20 seconds and after that the tester will turn itself off. At any time during this interval, the Test-button can be pushed again to start a test of a new AM2 unit.

If no AM2 unit is found, the following message in *Figure 4* will be displayed and then the tester will turn itself off.
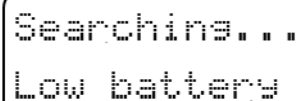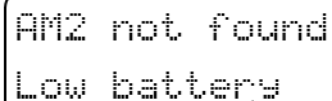
```
AM2 not found
```

Figure 4

Batteries

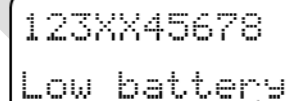When the lifetime of the batteries is approaching its end, a warning message will be displayed on the second row of the display as in *Figure 5*.

```
Searching...        AM2 not found        123XX45678
Low battery         Low battery          Low battery
```

Figure 5

The tester will still be operational but its recommended to have spare batteries at hand.

When the battery voltage drops too low, the tester will cease to function and the following message will be displayed as in *Figure 6*.

```
Replace battery!
```

Figure 6

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Replacing batteries

In order to replace the batteries, perform the following steps:

1. Remove two Philips screws according to picture. Be aware that there are two rubber bushings attached to the screws. See *Figure 7*.

Figure 7

2. Remove the battery lid and replace the two AA batteries. Note so that the direction of the batteries is according to the sketch inside the battery holder. See *Figure 8*.

Figure 8

Troubleshooting

No.	Symptom	Cause	Action
1	Tester does not start	No/very discharged batteries	Check batteries
		Electrical malfunction	Replace the tester
2	Display shows "AM2 not found"	No AM2 unit is present	Insert an AM2 in the bracket and press Test
		AM2 unit is not inserted properly	Make sure the AM2 unit is inserted according to *Figure 1*.
		AM2 unit is in *back-off mode*	Let the AM2 unit rest for at least 5 minutes at a safe distance (>5 m / 17 feet) from any ID-equipment such as sort gates, ID-readers, feeding stations, etc and try again.
		Radio interference	Wait 5 minutes and try again in an area with less radio traffic
		AM2 unit is out of battery or faulty	Replace the AM2 unit
		Tester is faulty	Try with a couple of other AM2 units. If not working, replace the tester
3	Display shows "Low battery"	Discharged batteries	None needed immediately but batteries will be needing replacement shortly
		Low operating temperature	Move to a warmer location
4	Display shows "Replace battery!"	Very discharged batteries	Replace batteries