

DAMIT ALLES FLIESST.  
GO WITH THE FLOW.

**PacificGauge**  
The Level People

**T** HORN  
TECALEMIT

HORN TECALEMIT für **Tankläger.**  
HORN TECALEMIT for **Fuel Depots.**



**To provide a superior value to our customers by employing a business philosophy focused on technology, service, and lean principles.**

**HORN Tecalemit** is both a traditional series supplier and a competent contact for innovative special applications.



Durable, reliable and rock solid everyday –

***"Made in Germany!"***

# Level Control Systems

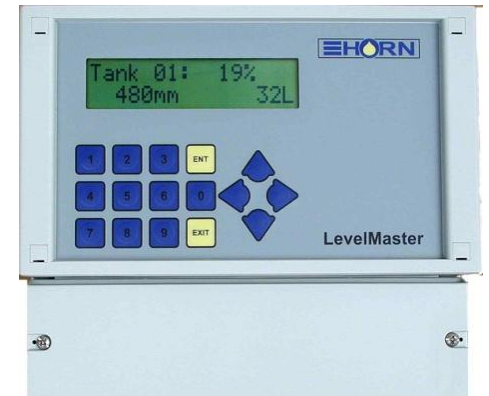
## Product Overview



LevelController TS



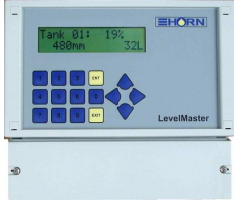


LevelController-4



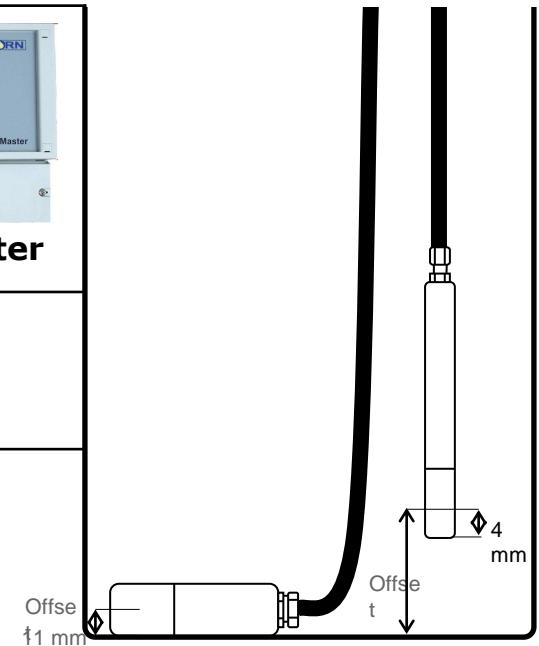
LevelMaster

# Level Probe – Measurement Principle and Installation

<p><b>Level probe (pressure sensor) in the medium, electronic transmission</b></p>	 <p><b>LevelController TS</b></p>	 <p><b>LevelController-4</b></p>	 <p><b>LevelMaster</b></p>
<p>4-20 mA level probe (current loop)</p>	<p>200mbar, 300mbar, 500mbar special model on request</p>		

## Requirements for correct measurement:

- Ventilated tank
- LevelController mounted in a dry environment
- Density of medium is known and constant
- Tank shape is known and entered correctly



Positioning of the level probe in the tank

## Level Controller TS Versions

- **LevelController basic version**  
with alarm contact
  - **LevelController GSM battery**  
powered without alarm contact incl. fault alarm inputs
  - **LevelController GSM with integrated power supply**  
with alarm contact incl. fault alarm inputs
- + max. one level probe each
- + optional external antenna



## LevelController-4 Versions

- **LevelController-4 Basis**  
Stand-alone device without data connection
- **LevelController-4 w/ pc-connection RS232**  
PC-connection via cable, max length 15m
- **LevelController-4 w/ pc-connection RS485**  
PC-connection via cable, max length 1.200m
- **LevelController-4 GSM**  
Data transfer and parameterisation via SMS

- + max. 4 level probes
- + optional external antenna



## LevelMaster Versions

- **LevelMaster basic version**  
Stand-alone device without data connection
- **LevelMaster with direct PC-connection RS232**  
Data transmission via data cable to local PC.
- **LevelMaster with telephone modem**  
Data transmission via telephone modem to PC or laptop.  
Requirements: ISDN card / modem in/on PC or laptop.
- **LevelMaster with GSM modem**  
Data transmission via GSM modem to PC or laptop.  
Requirements: ISDN card / modem in/on PC or laptop.



Level Control Systems

## GSM Versions



LevelController  
GSM-modul



LevelController-4  
GSM-modul



LevelMaster  
Internal GSM-modul

Level Control Systems

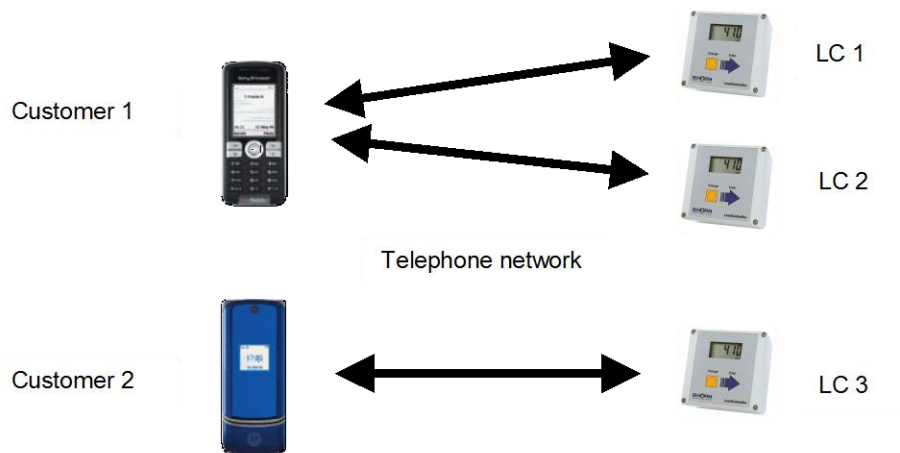
## Telephone Modem Model



LevelMaster  
External analog-modem

## LevelController (-4): SMS to Mobile Phone

**Each customer communicates directly with 'his' LevelControllers via mobile telephone**

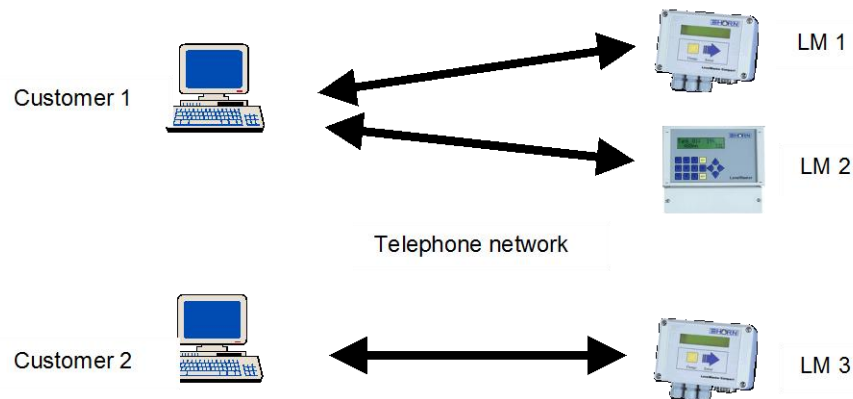


### Key points:

- **Inexpensive communication**
- **Parametrisation via SMS**
- **Complexity in the case of several devices**

## LevelMaster: Point to Point

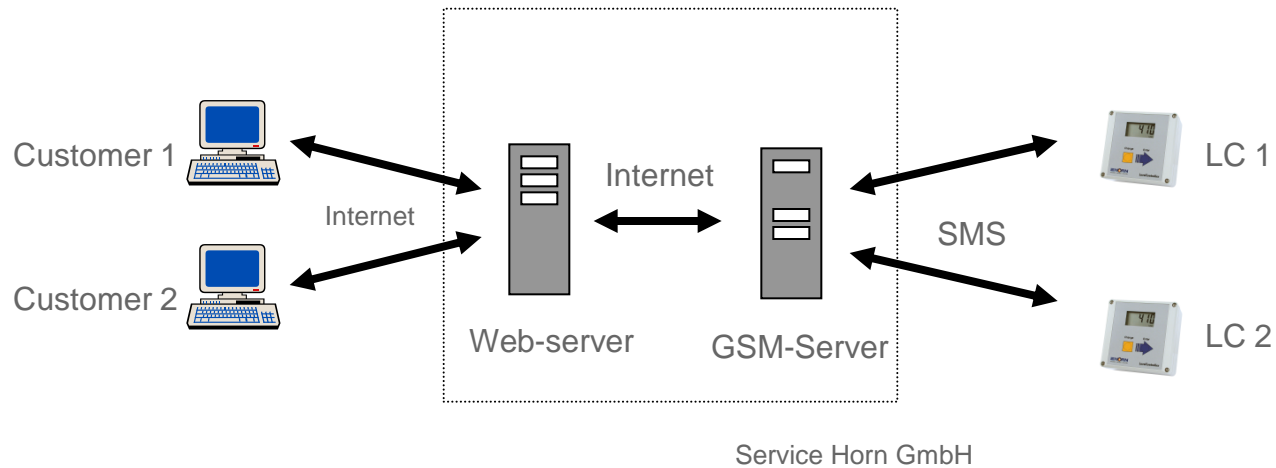
**Each customer polls 'his' LevelMaster (Compact) units himself**



### Key points:

- Self-acting system in the customer's hand
- Connection of the LevelMaster to the telephone network
- Installation of the PC software on the customer's PC
- Configuration of the LevelMaster and PC software by the customer

## LevelController (-4): GSM / Web server

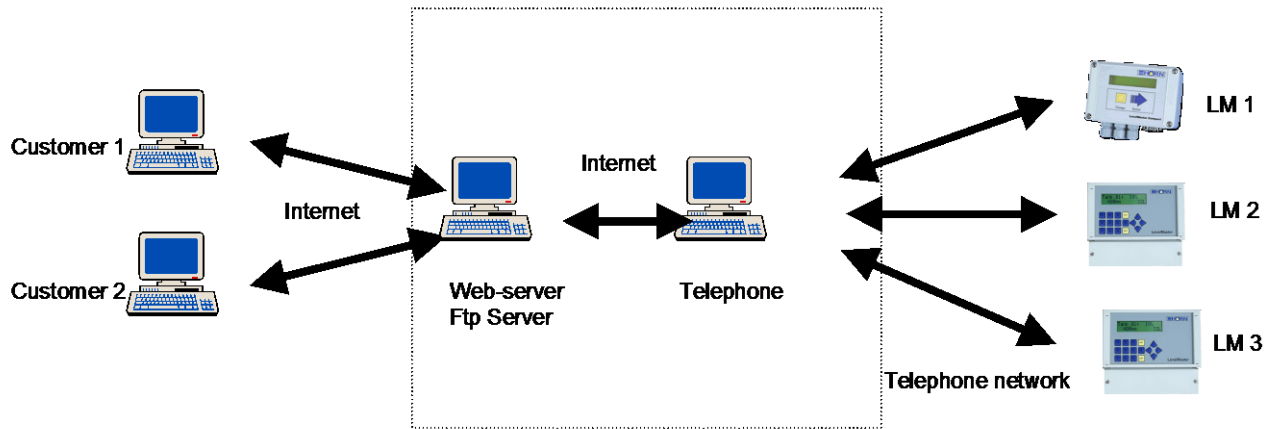


### Key points:

- No dependence on customer hardware and operating system
- No software installation necessary on the customer's premises
- Technical support central computer and Web server from one source
- Inexpensive communication (prepaid cards)
- Service is rented by the customer

## LevelMaster: Telephone / Webserver

### Polling of a Pool LevelMaster (Compact) - Units via central telephone server

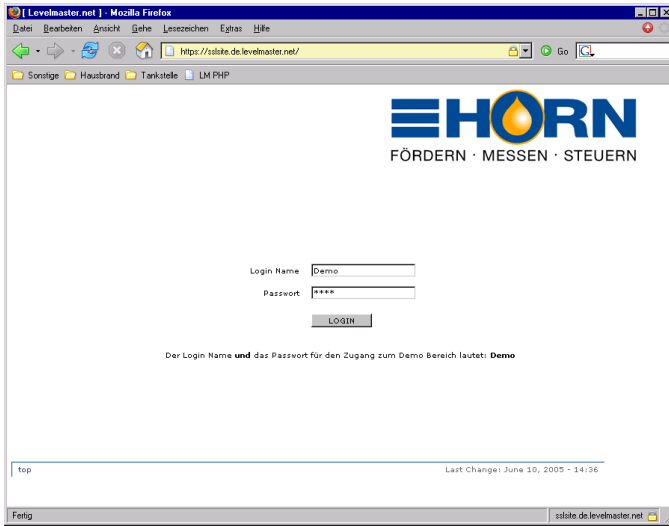


Service Hom GmbH

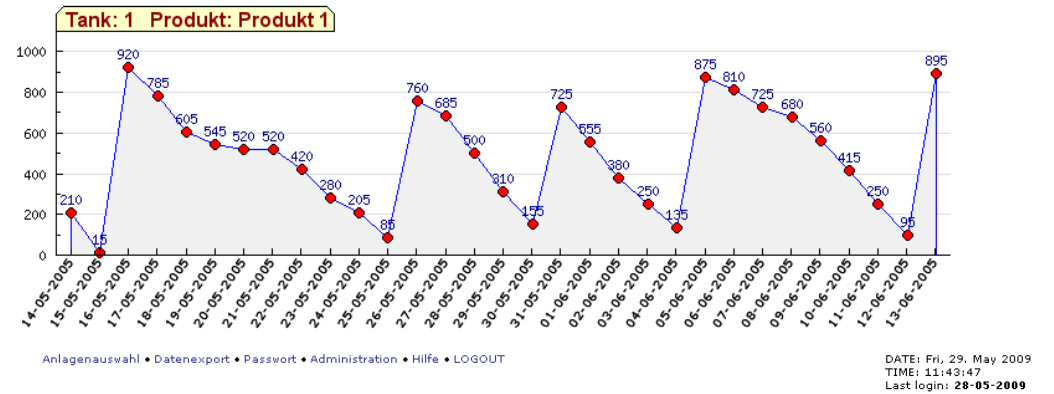
#### Key points:

- No dependence on customer hardware and operating system
- Keine No software installation necessary on the customer's premises
- Technical support central computer and Web server from one source
- Service is rented by the customer

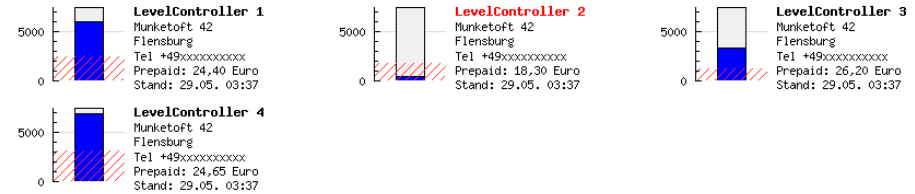
# Data Polling as a Service



Password-protected login (SSL encryption)



### LevelController 1..4



Graphical display of tank filling levels

Internet login area:

[www.levelmaster.net](http://www.levelmaster.net)

Login: Demo / Demo

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HORN TECALEMIT for **Garages.**