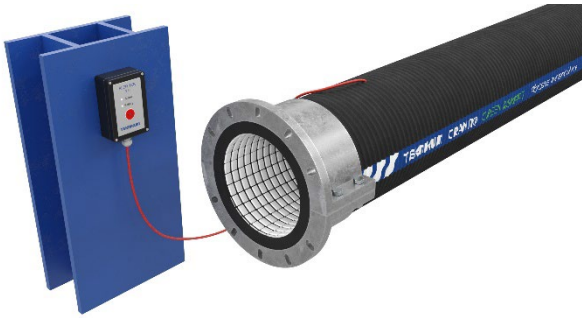


## Teknikum ALER-TEK™ 2.0. wear indicator device for Smart Hose system



### APPLICATIONS

Teknikum ALER-TEK™ 2.0 hose wear indicator system is a new Teknikum industrial hose application, which enables monitoring of wear and tear of inner lining of a hose. The system gives a signal when the hose needs to be changed to avoid hose breakage.

The Smart Hose system includes Teknikum ALER-TEK™ 2.0 monitoring device and customer specific Teknikum GRANIT® or TITAN™ hose built with monitoring cable. The device makes a measurement every hour and gives a light alert when defined point of wear and tear has been reached.

A testing measurement can be made whenever wanted by pressing the button in the device. Consequently, the Smart Hose system helps industrial operator to manage the plant with effective pipeline maintenance. As a result, industrial functions and processes are safer, environmentally attentive and cost effective.

Depending on the selected Smart Hose construction, the wear and tear may be

monitored in one, two or three points in the hose construction. Please inquire possible and suitable hose constructions from our sales.

Teknikum ALER-TEK™ 2.0 device is supplied with instructions and with customer specific abrasive material hose. The device is reusable after Smart Hose replacement.

### ADVANTAGES

- Increased work and environmental safety
- Better risk management as hose's life cycle can be anticipated
- Uninterrupted process flow
- No uncontrolled process stops
- Maintenance savings
- New hose may be purchased just in time or as planned

### TECHNICAL PROPERTIES (BRIEF)

#### Casing structure

- Black aluminium case
- Protected from moisture and dust, classification IP66.
- Cable feedthrough into case: PG9 seal.

#### Ambient temperature

-40°C...+60°C (battery device)

#### Electrical properties

The casing includes 2 lithium batteries (Energizer L91 series). The minimum lifetime of the batteries is one (1) year.

#### Alarms

There are two alarm LEDs on the front panel of the device:

1. Monitoring Loop Alarm - Red Alarm LED
2. Battery Alarm - Red Battery LED

## SUITABLE ABRASIVE HOSES, COUPLINGS AND CLAMPS

We recommend Teknikum GRANIT® CERAMIC Antistatic or Teknikum TITAN™ CERAMIC Antistatic hose for your Smart Hose system, as well as Teknikum GRANIT® Select or TITAN™ Select couplings or alternatively Teknikum PLUS™ flange system for hose tightening.

## MANUFACTURER

Teknikum Oy (Business ID FI07645274),  
Nokiankatu 1, 38210, Sastamala, Finland

### More information

sales@teknikum.com

[www.teknikum.com](http://www.teknikum.com)

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## ORDER REFERENCE

Ask more from sales. Complete technical information available on instructions manual.

Product code	Ø i.d. mm	Ø o.d. mm	Working press. MPa	Vacuum max. MPa	Bending radius mm	Box Weight kg/pc	Dimensions mm
ALERTEK 20	See hose datasheet	See hose datasheet	See hose datasheet	See hose datasheet	See hose datasheet	0,27	98.4 x 64.4 x 35.0

Other dimensions available on request.

## REFERENCE IMAGES

