

Item No.	Quantity	Description of goods and services	Costs	
			Unit price (DM)	Total (DM)
		<p>Water leakage detection and location system</p> <p>A water leakage detection and location system consisting off the plug and play system parts.</p> <ul style="list-style-type: none"> • Monitoring device with text free programmable status / alarm messages • High sensitive sensor cable • Accessories: <ul style="list-style-type: none"> – connecting cable – distributor box – plugs and sockets, etc. <p>All electroconductive liquids like:</p> <ul style="list-style-type: none"> ■ water ■ sewage ■ acids ■ alcalis <p>can be detected.</p> <p>When the liquid comes into contact with the sensor cable a visual alarm is given including an indication of the location of the leak in metres from the monitoring device. At the same time two floating contacts are operated for messages to the control room. High accuracy of leak location with messages on text display. System status and all messages available at a RS 485.</p> <p>The sensor cable detects liquids at any point of its length</p> <p>The system is possible in use for</p> <ul style="list-style-type: none"> ◆ Area surveillance below raised floors in computer centres above false ceilings in art galleries / museums ◆ Pipe surveillance cooling and heating pipes process pipes ◆ Point surveillance drip trays pump sumps tank bund areas inspection chambers <p>Manufacturer: BARTEC GmbH Messtechnik und Sensorik Max-Eyth-Straße 16 97980 Bad Mergentheim Telephone: (0 79 31) 5 97 - 1 70 Fax: (0 79 31) 5 97 - 1 83 E-mail: info@bartec.de Internet: http://www.bartec.de</p> <p>Certificated for ISO 9001 ISO 14000 TÜV approved</p>		

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1.0		Electronic monitoring and location device		
1.1		<ul style="list-style-type: none"> • Performance features ⇒ up to 1.500 m of sensor cable can be connected to each measuring channel ⇒ each measuring channel can be divided into 50 zones (i.e. zone 1: sensor cable 0 m to 50 m) ⇒ backlight display (4 x 20 characters) for reporting plain text ⇒ input of zones can be in plain text (i.e. trading area 3 or climate apparatus 8) ⇒ sensor faults are monitored/reported ⇒ mains failure indication ⇒ software is protected by password ⇒ integrated system surveillance via watch-dog timer ⇒ foil keyboard in three languages ⇒ menu texts displayed in three languages (German, English, French) ⇒ the units of measurement can be selected: metres or feet <ul style="list-style-type: none"> • Order details RLW <p>Water leakage detection device RLW single channel Order No. 17-85G1-2121 dual channel Order No. 17-85G1-2221</p> <p>Water leakage detection device RLW with RS 485 interface single channel Order No. 17-85G1-2122 dual channel Order No. 17-85G1-2222</p> <ul style="list-style-type: none"> • Technical data <p>Enclosure wall mounting polyester enclosure with a transparent polycarbonate, terminal connection chamber and cable glands</p> <p>Dimensions 284 x 217 x 143 mm (width x height x depth)</p> <p>Operating voltage supply voltage (standard) 230/115 V AC 50/60 Hz 24 V DC 12 V DC (connection for UPS) sensor connection</p> <p>Outputs two volt-free change-over contacts per measuring channel (3 A at 230 V AC) for leakage reporting two volt-free change-over contacts (3 A at 230 V AC) for faults (fail-safe) mains failure surveillance interface RS 232 or RS 485 (optional) Block oriented, protected Single-Master protocol for the connection to the building control system</p>		

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	Histogram Measurement accuracy Measurement procedure Date/Time Operating elements Visual indication Audible alarm Ambient temperature Ingress protection	storing the last 20 events in memory with date, time and plain text ± 0.1 % from the end value of the measuring range conductive (conductive liquids > 30 µ S) automatic summer/winter time switching (year 2000 compatible) Foil keyboard (carries out all functions including input of plain text) LED display operation/leakage/break/fault Piezo audible sounder (may be muted) 0 °C to +50 °C IP 65														
2		Sensor cable														
2.1	Description	<p>The sensor cable SCR is used for detecting conductive liquids such as water, acids and alkalis. This sensor cable can precisely determine the location of the leakage.</p> <p>SCR sensor cable is a round 4-core flexible cable with a protective braiding.</p> <ul style="list-style-type: none"> ◆ Very flexible cable construction ◆ Ready to plug-in standard lengths or individual lengths ◆ Easy to install ◆ Dries quickly <p>• Order details for sensor cable</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">quantity per meter</td> <td>Order No. 17-85M1-1761</td> </tr> <tr> <td>1 metre, pre-terminated</td> <td>Order No. 17-85M1-1761/5000</td> </tr> <tr> <td>3 metre, pre-terminated</td> <td>Order No. 17-85M1-1761/5200</td> </tr> <tr> <td>5 metre, pre-terminated</td> <td>Order No. 17-85M1-1761/5300</td> </tr> <tr> <td>15 metre, pre-terminated</td> <td>Order No. 17-85M1-1761/5500</td> </tr> <tr> <td>30 metre, pre-terminated</td> <td>Order No. 17-85M1-1761/5700</td> </tr> </table>	quantity per meter	Order No. 17-85M1-1761	1 metre, pre-terminated	Order No. 17-85M1-1761/5000	3 metre, pre-terminated	Order No. 17-85M1-1761/5200	5 metre, pre-terminated	Order No. 17-85M1-1761/5300	15 metre, pre-terminated	Order No. 17-85M1-1761/5500	30 metre, pre-terminated	Order No. 17-85M1-1761/5700		
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