



TIEFENBACH
CONTROL SYSTEMS GMBH

iProx

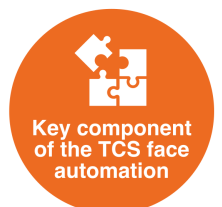


iProx - Proximity System

- ⬢ High accuracy and robust tag location
- ⬢ Rechargeable belt or hard hat mounted tag
- ⬢ Integrated signaling light
- ⬢ Integrated inclination sensor

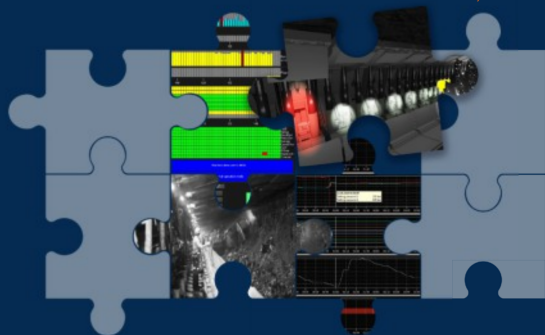


Real Time
Automation



Key component
of the TCS face
automation

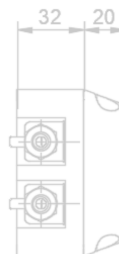
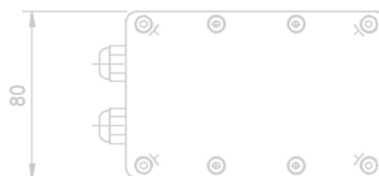
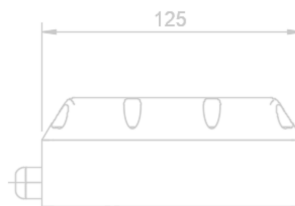
Key component of the TCS face automation



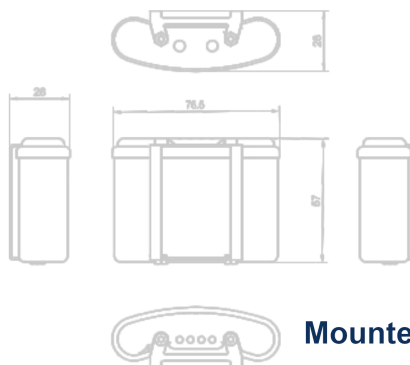
- > High reliable and redundant tracking system for personnell and material
- > Unlimited tags in systems
- > Redundant node system with no degradation in case of single failures
- > Integrated multi color and multi mode signaling light
- > Robust against reflections, partly covering the tag (arm-pit) and multi path receptions
- > Integrated inclination sensor and optional additional beeper
- > Tracking information (Position, time stamp and quality) available on any interface
- > Time-of-flight measurement not RFID or signal strength based
- > Frequency range 6GHz-> away from Wi-Fi standards (2,4GHz, 5GHz) - no interferences
- > Locating/tracking accuracy better than 25cm (stationary) to 50cm (moving) and faster than one measurement per second (100Hz system capacity)



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Mounted at the canopy of the roof support



Mounted at the belt of the person

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